



DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
3000 MARINE CORPS PENTAGON
WASHINGTON, DC 20350-3000

NAVMC DIR 3500.78
C 469
11 Jan 07

NAVMC DIRECTIVE 3500.78

From: Commandant of the Marine Corps
To: Distribution List

Subj: EXPLOSIVE ORDNANCE DISPOSAL TECHNICIAN/OFFICER TRAINING AND READINESS
MANUAL, (SHORT TITLE: EOD T&R MANUAL)

Ref: (a) MCO P3500.72A
(b) MCO 1553.3A
(c) MCO 3400.3F
(d) MCO 3500.27B
(e) MCRP 3-0A
(f) MCRP 3-0B
(g) MCO 1553.2A

1. Purpose. Per reference (a), this T&R Manual establishes Core Capability Mission Essential Tasks (MET) for readiness reporting and required events for standardization training of Marines and Navy personnel whose primary mission is the handling of ammunition and explosives. Additionally, it provides tasking for formal schools preparing personnel for service in MOS 2305 and 2336. This NAVMC supersedes MCO 1510.78A, Enclosure 6, Appendix C and D, MOS 2305 and 2336.

2. Scope

a. The Core Capability Mission Essential Task List (METL) in this manual is used in Defense Readiness Reporting System (DRRS) for the assessment and reporting of unit readiness. Units achieve training readiness for reporting in DRRS by gaining and sustaining proficiency in the training events in this manual at both collective (unit) and individual levels.

b. Per reference (b), commanders will conduct an internal assessment of the unit's ability to execute each MET, and develop long-, mid-, and short-range training plans to sustain proficiency in each MET. Training plans will incorporate these events to standardize training and provide objective assessment of progress toward attaining combat readiness. Commanders will keep records at the unit and individual levels to record training achievements, identify training gaps, and document objective assessments of readiness associated with training Marines. Commanders will use reference (c) to incorporate nuclear, biological, and chemical defense training into training plans and reference (d) to integrate operational risk management. References (e) and (f) provide amplifying information for effective planning and management of training within the unit.

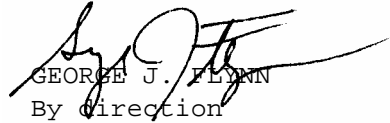
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c. Formal school and training detachment commanders will use references (a) and (g) to ensure programs of instruction meet skill training requirements established in this manual, and provide career-progression training in the events designated for initial training in the formal school environment.

3. Information. CG, TECOM will update this T&R Manual as necessary to provide current and relevant training standards to commanders, and to ensure a current Core Capabilities METL is available for use in DRRS by the Marine Corps Explosive Ordnance Disposal Program. All questions pertaining to the Marine Corps Ground T&R Program and Unit Training Management should be directed to: Commanding General, TECOM (Ground Training Branch C 469), 1019 Elliot Road, Quantico, VA 22134.

4. Command. This Directive is applicable to the Marine Corps Total Force.

5. Certification. Reviewed and approved this date.


GEORGE J. FLYNN
By direction

Distribution: PCN 10303369800

Copy to: 7000260 (2)
8145001 (1)

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EOD T&R MANUAL

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EOD T&R MANUAL

CHAPTER 1

OVERVIEW

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CHAPTER 1

OVERVIEW

1001. INTRODUCTION

1. The T&R Program is the Corps' primary tool for planning, conducting and evaluating training, and assessing training readiness. Subject matter experts (SMEs) from the operating forces developed core capability Mission Essential Task Lists (METLs) for ground communities derived from the Marine Corps Task List (MCTL). T&R manuals are built around these METLs and all events contained in T&R manuals relate directly to this METL. This comprehensive T&R Program will help to ensure the Marine Corps continues to improve its combat readiness by training more efficiently and effectively. Ultimately, this will enhance the Marine Corps' ability to accomplish real-world missions.

2. The T&R Manual contains the individual and collective training requirements to prepare units to accomplish their combat mission. The T&R Manual is not intended to be an encyclopedia that contains every minute detail of how to accomplish training. Instead, it identifies the minimum standards that Marines must be able to perform in combat. The T&R Manual is a fundamental tool for commanders to build and maintain unit combat readiness. Using this tool, leaders can construct and execute an effective training plan that supports the unit's METL. More detailed information on the Marine Corps Ground T&R Program is found in reference (a).

1002. UNIT TRAINING

1. The training of Marines to perform as an integrated unit in combat lies at the heart of the T&R program. Unit and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform critical skills required in combat is essential. However, it is not necessary to have all individuals within a unit fully trained in order for that organization to accomplish its assigned tasks. Manpower shortfalls, temporary assignments, leave, or other factors outside the commander's control, often affect the ability to conduct individual training. During these periods, unit readiness is enhanced if emphasis is placed on the individual training of Marines on-hand. Subsequently, these Marines will be mission ready and capable of executing as part of a team when the full complement of personnel is available.

2. Commanders will ensure that all tactical training is focused on their combat mission. The T&R Manual is a tool to help develop the unit's training plan. In most cases, unit training should focus on achieving unit proficiency in the core capabilities METL. However, commanders will adjust their training focus to support METLs associated with a major OPLAN/CONPLAN or named operation as designated by their higher commander and reported accordingly in the Defense Readiness Reporting System (DRRS). Tactical training will support the METL in use by the commander and be tailored to

meet T&R standards. Commanders at all levels are responsible for effective combat training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be over emphasized.

3. Commanders will provide personnel the opportunity to attend formal and operational level courses of instruction as required by this Manual. Attendance at all formal courses must enhance the warfighting capabilities of the unit as determined by the unit commander.

1003. UNIT TRAINING MANAGEMENT

1. Unit Training Management (UTM) is the application of the Systems Approach to Training (SAT) and the Marine Corps Training Principles. This is accomplished in a manner that maximizes training results and focuses the training priorities of the unit in preparation for the conduct of its wartime mission.

2. UTM techniques, described in references (b) and (e), provide commanders with the requisite tools and techniques to analyze, design, develop, implement, and evaluate the training of their unit. The Marine Corps Training Principles, explained in reference (b), provide sound and proven direction and are flexible enough to accommodate the demands of local conditions. These principles are not inclusive, nor do they guarantee success. They are guides that commanders can use to manage unit-training programs. The Marine Corps training principles are:

- Train as you fight
- Make commanders responsible for training
- Use standards-based training
- Use performance-oriented training
- Use mission-oriented training
- Train the MAGTF to fight as a combined arms team
- Train to sustain proficiency
- Train to challenge

3. To maintain an efficient and effective training program, leaders at every level must understand and implement UTM. Guidance for UTM and the process for establishing effective programs are contained in references (a) through (g).

1004. SUSTAINMENT AND EVALUATION OF TRAINING

1. The evaluation of training is necessary to properly prepare Marines for combat. Evaluations are either formal or informal, and performed by members of the unit (internal evaluation) or from an external command (external evaluation).

2. Marines are expected to maintain proficiency in the training events for their MOS at the appropriate grade or billet to which assigned. Leaders are responsible for recording the training achievements of their Marines. Whether it involves individual or collective training events, they must ensure proficiency is sustained by requiring retraining of each event at or before expiration of the designated sustainment interval. Performance of the

training event, however, is not sufficient to ensure combat readiness. Leaders at all levels must evaluate the performance of their Marines and the unit as they complete training events, and only record successful accomplishment of training based upon the evaluation. The goal of evaluation is to ensure that correct methods are employed to achieve the desired standard, or the Marines understand how they need to improve in order to attain the standard. Leaders must determine whether credit for completing a training event is recorded if the standard was not achieved. While successful accomplishment is desired, debriefing of errors can result in successful learning that will allow ethical recording of training event completion. Evaluation is a continuous process that is integral to training management and is conducted by leaders at every level and during all phases of planning and the conduct of training. To ensure training is efficient and effective, evaluation is an integral part of the training plan. Ultimately, leaders remain responsible for determining if the training was effective.

3. The purpose of formal and informal evaluation is to provide commanders with a process to determine a unit's/Marine's proficiency in the tasks that must be performed in combat. Informal evaluations are conducted during every training evolution. Formal evaluations are often scenario-based, focused on the unit's METs, based on collective training standards, and usually conducted during higher-level collective events. References (a) and (f) provide further guidance on the conduct of informal and formal evaluations using the Marine Corps Ground T&R Program.

1005. ORGANIZATION

1. T&R Manuals are organized in one of two methods: unit-based or community-based. Unit-based T&R Manuals are written to support a type of unit (Infantry, Artillery, Tanks, etc.) and contain both collective and individual training standards. Community-based are written to support an Occupational Field, a group of related Military Occupational Specialties (MOSs), or billets within an organization (EOD, NBC, Intel, etc.), and usually only contain individual training standards. T&R Manuals are comprised of chapters that contain unit METs, collective training standards (CTS), and individual training standards (ITS) for each MOS, billet, etc.

2. The EOD T&R Manual is a community-based manual, written to support the EOD community. The manual is not intended, nor should it be used as a stand-alone document. The manual is organized in five chapters.

a. Chapter 1 is an overview of the Marine Corps's Training and Readiness program. It consists of elements common to all MOSs that are pertinent to successful implementation of a Training and Readiness program. Chapter 1 also outlines the organization and key elements of the EOD Technician/Officer T&R Manual, with explanations of each key element.

b. Chapters 2 and 3 consist of the Mission Essential Tasks and collective training events for the EOD community. Collective Training Events are arranged by event code under the appropriate supported MET. An index of collective events arranged by level is included for easy referencing.

c. Chapter 4 consists of the Individual Training Events for the EOD Officer (2305 Occupational Field). Events are arranged by MOS/EVENT CODE.

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An index of the individual events arranged by level is included for easy referencing.

d. Chapter 5 consists of Individual Training Events for the EOD Technician (2336 Occupational Field). Events are arranged by MOS/EVENT CODE. An index of the individual events arranged by level is included for easy referencing.

1006. T&R EVENT CODING

1. T&R events are coded for ease of reference. Each event has a 4-4-4-digit identifier. The first four digits represent either the Community or the MOS (EOD, 2305, or 2336). The second four digits represent the functional or duty area (Administration (ADMN), Chemical, Biological, Radiological or Nuclear (CBRN), Demolitions (DEMO), Disposal (DISP), Improvised Explosive Devices (IED), Intelligence (INTL), Neutralization (NEUT), Reconnaissance (RECN), Render Safe Procedures (RSP), and Special Operations (SPEC)). The last four digits represent the level and sequence of the event.

2. The T&R levels are illustrated in Figure 1. An example of the T&R coding used in this Manual is shown in Figure 2.

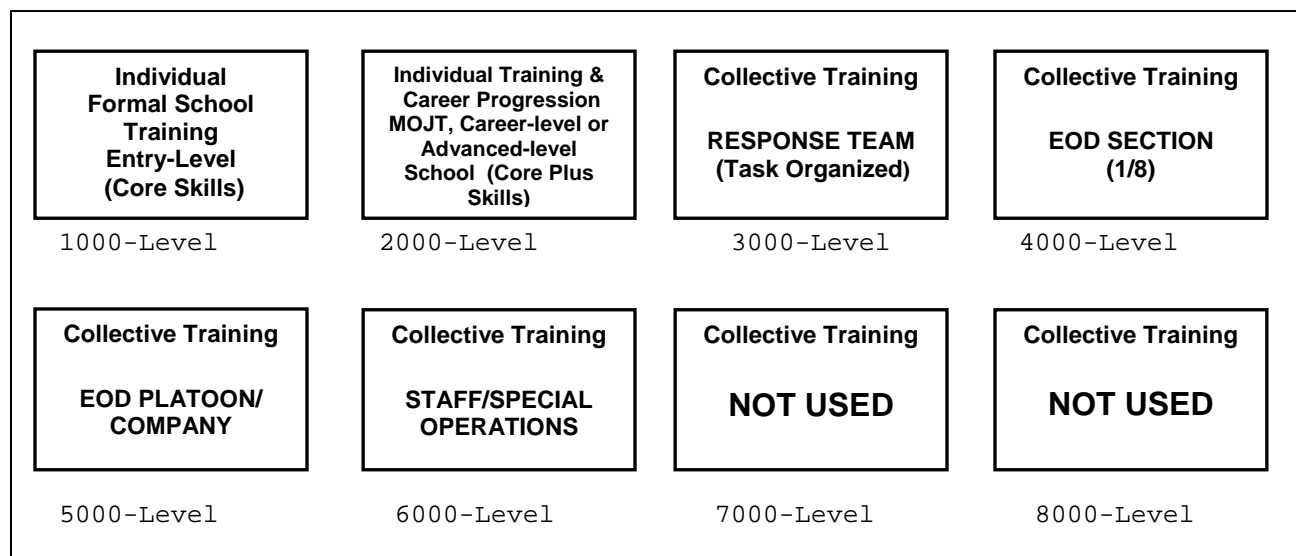


Figure 1: T&R Event Levels

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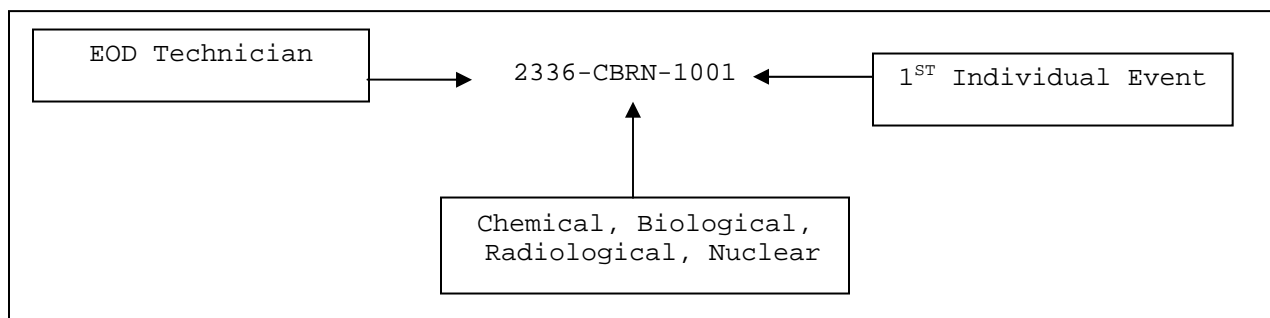


Figure 2: T&R Event Coding

1007. COMBAT READINESS PERCENTAGE

1. The Marine Corps Ground T&R Program includes processes to assess readiness of units and individual Marines. Every unit in the Marine Corps maintains a basic level of readiness based on the training and experience of the Marines in the unit. Even units that never trained together are capable of accomplishing some portion of their missions. Combat readiness assessment does not associate a quantitative value for this baseline of readiness, but uses a "Combat Readiness Percentage", as a method to provide a concise descriptor of the recent training accomplishments of units and Marines.

2. Combat Readiness Percentage (CRP) is the percentage of required training events that a unit or Marine accomplishes within specified sustainment intervals.

3. In unit-based T&R Manuals, unit combat readiness is assessed as a percentage of the successfully completed and current (within sustainment interval) key training events called "Evaluation-Coded" (E-Coded) Events. E-Coded Events and unit CRP calculation are described in follow-on paragraphs. CRP achieved through the completion of E-Coded Events is directly relevant to readiness assessment in DRRS.

4. Individual combat readiness, in both unit-based and community-based T&R Manuals, is assessed as the percentage of required individual events in which a Marine is current. This translates as the percentage of training events for his/her MOS and grade (or billet) that the Marine successfully completes within the directed sustainment interval. Individual skills are developed through a combination of 1000-level training (entry-level formal school courses), individual on-the-job training in 2000-level events, and follow-on formal school training. Skill proficiency is maintained by retraining in each event per the specified sustainment interval.

1008. EVALUATION-CODED (E-CODED) EVENTS

1. Unit-type T&R Manuals can contain numerous unit events, some for the whole unit and others for integral parts that serve as building blocks for training. To simplify training management and readiness assessment, only collective events that are critical components of a mission essential task (MET), or key indicators of a unit's readiness, are used to generate CRP for

a MET. These critical or key events are designated in the T&R Manual as Evaluation-Coded (E-Coded) events. Formal evaluation of unit performance in these events is recommended because of their value in assessing combat readiness. Only E-Coded events are used to calculate CRP for each MET.

2. The use of a METL-based training program allows the commander discretion in training. This makes the T&R Manual a training tool rather than a prescriptive checklist.

1009. CRP CALCULATION

1. Collective training begins at the 3000 level (team, crew or equivalent). Unit training plans are designed to accomplish the events that support the unit METL while simultaneously sustaining proficiency in individual core skills. Using the battalion-based (unit) model, the battalion (7000-level) has collective events that directly support a MET on the METL. These collective events are E-Coded and the only events that contribute to unit CRP. This is done to assist commanders in prioritizing the training toward the METL, taking into account resource, time, and personnel constraints.

2. Unit CRP increases after the completion of E-Coded events. The number of E-Coded events for the MET determines the value of each E-Coded event. For example, if there are 4 E-Coded events for a MET, each is worth 25% of MET CRP. MET CRP is calculated by adding the percentage of each completed and current (within sustainment interval) E-Coded training event. The percentage for each MET is calculated the same way and all are added together and divided by the number of METS to determine unit CRP. For ease of calculation, we will say that each MET has 4 E-Coded events, each contributing 25% towards the completion of the MET. If the unit has completed and is current on three of the four E-Coded events for a given MET, then they have completed 75% of the MET. The CRP for each MET is added together and divided by the number of METS to get unit CRP; unit CRP is the average of MET CRP.

For Example:

MET 1:	75% complete	(3 of 4 E-Coded events trained)
MET 2:	100% complete	(6 of 6 E-Coded events trained)
MET 3:	25% complete	(1 of 4 E-Coded events trained)
MET 4:	50% complete	(2 of 4 E-Coded events trained)
MET 5:	75% complete	(3 of 4 E-Coded events trained)

To get unit CRP, simply add the CRP for each MET and divide by the number of METS:

MET CRP: $75 + 100 + 25 + 50 + 75 = 325$

Unit CRP: $325 \text{ (total MET CRP)} / 5 \text{ (total number of METS)} = 65\%$

1010. T&R EVENT COMPOSITION

1. This section explains each of the components of a T&R event. These items are included in all events in each T&R manual.

a. Event Code (see Sect 1006). The event code is a 4-4-4 character set. For individual training events, the first 4 characters indicate the occupational function. The second 4 characters indicate functional area (TAC, CBTS, VOPS, etc.). The third 4 characters are simply a numerical designator for the event.

b. Event Title. The event title is the name of the event.

c. E-Coded. This is a "yes/no" category to indicate whether or not the event is E-Coded. If yes, the event contributes toward the CRP of the associated MET. The value of each E-Coded event is based on number of E-Coded events for that MET. Refer to paragraph 1008 for detailed explanation of E-Coded events.

d. Supported MET(s). List all METs that are supported by the training event.

e. Sustainment Interval. This is the period, expressed in number of months, between evaluation or retraining requirements. Skills and capabilities acquired through the accomplishment of training events are refreshed at pre-determined intervals. It is essential that these intervals are adhered to in order to ensure Marines maintain proficiency.

f. Billet. Individual training events may contain a list of billets within the community that are responsible for performing that event. This ensures that the billet's expected tasks are clearly articulated and a Marine's readiness to perform in that billet is measured.

g. Grade. Each individual training event will list the rank(s) at which Marines are required to learn and sustain the training event.

h. Event Description. Provide a description of the event purpose, objectives, goals, and requirements. It is a general description of an action requiring learned skills and knowledge (e.g. Camouflage the M1A1 Tank).

i. Condition. Describe the condition(s), under which tasks are performed. Conditions are based on a "real world" operational environment. They indicate what is provided (equipment, materials, manuals, aids, etc.), environmental constraints, conditions under which the task is performed, and any specific cues or indicators to which the performer must respond. When resources or safety requirements limit the conditions, this is stated.

j. Standard. The standard indicates the basis for judging effectiveness of the performance. It consists of a carefully worded statement that identifies the proficiency level expected when the task is performed. The standard provides the minimum acceptable performance parameters and is strictly adhered to. The standard for collective events is general, describing the desired end-state or purpose of the event. While the standard for individual events specifically describe to what proficiency level in

terms of accuracy, speed, sequencing, quality of performance, adherence to procedural guidelines, etc., the event is accomplished.

k. Event Components. Describe the actions composing the event and help the user determine what must be accomplished and to properly plan for the event.

l. Prerequisite Events. Prerequisites are academic training or other T&R events that must be completed prior to attempting the task. They are lower-level events or tasks that give the individual/unit the skills required to accomplish the event. They can also be planning steps, administrative requirements, or specific parameters that build toward mission accomplishment.

m. Chained Events. Collective T&R events are supported by lower-level collective and individual T&R events. This enables unit leaders to effectively identify subordinate T&R events that ultimately support specific mission essential tasks. When the accomplishment of any upper-level events, by their nature, result in the performance of certain subordinate and related events, the events are "chained." The completion of chained events will update sustainment interval credit (and CRP for E-Coded events) for the related subordinate level events.

n. Related Events. Provide a list of all Individual Training Standards that support the event.

o. References. The training references are utilized to determine task performance steps, grading criteria, and ensure standardization of training procedures. They assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion. References are also important to the development of detailed training plans.

p. Distance Learning Products (IMI, CBT, MCI, etc.). Include this component when the event can be taught via one of these media methods vice attending a formal course of instruction or receiving MOJT.

q. Support Requirements. This is a list of the external and internal support the unit and Marines will need to complete the event. The list includes, but is not limited to:

- Range(s)/Training Area
- Ordnance
- Equipment
- Materials
- Other Units/Personnel
- Other Support Requirements

r. Miscellaneous. Provide any additional information that assists in the planning and execution of the event. Miscellaneous information may include, but is not limited to:

- Admin Instructions
- Special Personnel Certifications
- Equipment Operating Hours
- Road Miles

2. Community-based T&R manuals have several additional components not found in unit-based T&R manuals. These additions do not apply to this T&R Manual.

1011. NBC TRAINING

1. All personnel assigned to the operating force must be trained in nuclear, biological, and chemical defense (NBCD), in order to survive and continue their mission in this environment. Individual proficiency standards are defined as survival and basic operating standards. Survival standards are those that the individual must master in order to survive NBC attacks. Basic operating standards are those that the individual, and collectively the unit, must perform to continue operations in an NBC environment.

2. In order to develop and maintain the ability to operate in an NBC environment, NBCD training is an integral part of the training plan and events in this T&R Manual. Units should train under NBC conditions whenever possible. Per reference (c), all units must be capable of accomplishing their assigned mission in a contaminated environment.

1012. NIGHT TRAINING

1. While it is understood that all personnel and units of the operating force are capable of performing their assigned mission in "every climate and place," current doctrine emphasizes the requirement to perform assigned missions at night and during periods of limited visibility. Basic skills are significantly more difficult when visibility is limited.

2. To ensure units are capable of accomplishing their mission they must train under the conditions of limited visibility. Units should strive to conduct all events in this T&R Manual during both day and night/limited visibility conditions. When there is limited training time available, night training should take precedence over daylight training, contingent on individual, crew, and unit proficiency.

1013. OPERATIONAL RISK MANAGEMENT (ORM)

1. ORM is a process that enables commanders to plan for and minimize risk while still accomplishing the mission. It is a decision making tool used by Marines at all levels to increase operational effectiveness by anticipating hazards and reducing the potential for loss, thereby increasing the probability of a successful mission. ORM minimizes risks to acceptable levels, commensurate with mission accomplishment.

2. Commanders, leaders, maintainers, planners, and schedulers will integrate risk assessment in the decision-making process and implement hazard controls to reduce risk to acceptable levels. Applying the ORM process will reduce mishaps, lower costs, and provide for more efficient use of resources. ORM assists the commander in conserving lives and resources and avoiding unnecessary risk, making an informed decision to implement a course of action (COA), identifying feasible and effective control measures where specific measures do not exist, and providing reasonable alternatives for mission accomplishment. Most importantly, ORM assists the commander in determining

the balance between training realism and unnecessary risks in training, the impact of training operations on the environment, and the adjustment of training plans to fit the level of proficiency and experience of Sailors/Marines and leaders. Further guidance for ORM is found in references (b) and (d).

1014. MARINE CORPS GROUND T&R PROGRAM

1. The Marine Corps Ground T&R Program continues to evolve. The vision for Ground T&R Program is to publish a T&R Manual for every readiness-reporting unit so that core capability METs are clearly defined with supporting collective training standards, and to publish community-based T&R Manuals for all occupational fields whose personnel augment other units to increase their combat and/or logistic capabilities. The vision for this program includes plans to provide a Marine Corps training management information system that enables tracking of unit and individual training accomplishments by unit commanders and small unit leaders, automatically computing CRP for both units and individual Marines based upon MOS and rank (or billet). Linkage of T&R Events to the Marine Corps Task List (MCTL), through the core capability METs, has enabled objective assessment of training readiness in the DRRS.

2. DRRS measures and reports on the readiness of military forces and the supporting infrastructure to meet missions and goals assigned by the Secretary of Defense. With unit CRP based on the unit's training toward its METs, the CRP will provide a more accurate picture of a unit's readiness. This will give fidelity to future funding requests and factor into the allocation of resources. Additionally, the Ground T&R Program will help to ensure training remains focused on mission accomplishment and that training readiness reporting is tied to units' METLs.

1015. EOD CAREER PROGRESSION PHILOSOPHY. The EOD career progression philosophy is to provide a structured and progressive career education plan designed to produce a highly capable EOD technician that can support the entire spectrum of warfare, placing emphasis on the Marine Air Ground Task Force (MAGTF). This plan starts with the basic EOD course that provides the core skills (1000 level) which are sustained and built upon by unit training and formal schools.

a. The basic EOD technician must be developed into a non-linear thinker who has a vision for the future. They must be able to immediately assume a position within an EOD team and be functional, while continuing their EOD education through core-plus skills (2000-4000 level), unit sustainment training, and formal schools that will improve their technical and tactical ability. The basic EOD technician must pursue an aggressive professional training regimen in order to be success in this career field. The Marine that has graduated the basic EOD course at NAVSCOLEOD and that has completed all required pre-deployment training identified by the command and EOD leadership will be considered combat capable.

b. The senior EOD technician will be expected to assume positions of leadership within a MAGTF element and provide technical expertise to the appropriate staff level(4000-5000 level). This philosophy will further prepare them for a transition to the master technician whose thought

philosophy will transition from the tactical to operational level. The Marine EOD technician that has graduated the basic EOD course at NAVSCOLEOD, enhanced this training with EOD range clearance operations, unit level EOD training, advanced training that makes him apply an advanced degree of explosive application and furthers his knowledge of foreign weapons systems, ordnance and improvised explosive devices will be considered combat ready. This Marine will be ready to assume the role of an assistant team leader.

c. The master EOD technician will be a true artisan of the EOD trade and be able to function in both a staff and operational capacity (6000 level). The master EOD technician will receive specialized training that will compliment core, core-plus skills and formal training in order to support operations at the MAGTF, MARFOR, Service, Theater, National, supporting establishment and external agencies. The combat qualified Marine will have acquired advanced training in numerous areas of EOD expertise. He will be fully capable of supervising range clearance EOD operations. He will be familiar with all aspects of the MAGTF and each individual component's need for EOD. The combat qualified Marine will be ready to assume the role of EOD Team Leader and provide that synergy between the supported command and EOD team while conducting tactical operations.

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CHAPTER 2

MISSION ESSENTIAL TASKS MATRIX

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CHAPTER 2

MISSION ESSENTIAL TASKS MATRIX

2000. SERVICE-LEVEL MISSION ESSENTIAL TASKS MATRIX. Below is the Service-Level Mission Essential Task List (METL) Table, which includes the designated MET number, title, and evaluation-coded (E-CODED) events that support the MET.

MET#/MISSION ESSENTIAL TASK

MET #1: Neutralize Conventional Explosive Hazards		E-CODED
EOD-RECN-3705	Identify explosive and non-explosive hazards utilizing publications	YES
EOD-RSP-3801	Conduct render safe of conventional explosive hazard	YES
EOD-RSP-3802	Destroy explosive hazards	YES
MET #2: Neutralize Improvised Explosive Device Hazards		
EOD-IED-3403	Identify explosive and non-explosive components	YES
EOD-INTL-3501	Conduct post blast analysis	YES
EOD-NEUT-3601	Conduct disposal of explosive hazards	YES
EOD-NEUT-3602	Conduct render safe of improvised explosive device	YES
EOD-NEUT-3603	Employ specialized explosive disruption charges	YES
MET #3: Neutralize Explosive Hazards associated with Chemical, Biological, Radiological, Nuclear Hazards		
EOD-CBRN-3107	Perform leak seal and packaging procedures on CBRN materials	YES
EOD-CBRN-3108	Perform CBRN render safe procedures	YES
EOD-CBRN-3110	Conduct CBRN reconnaissance operations	YES
EOD-RECN-3705	Identify explosive and non-explosive hazards utilizing publications	YES
MET #4: Support Intelligence Operations		
EOD-INTL-3501	Conduct post blast analysis	YES
EOD-INTL-5501	Support WMD Counter Proliferation Operations	YES
MET #5: Plan and Control EOD Operations		
EOD-ADMN-6001	Draft Annex C Appendix 13 of the MAGTF operational plans	YES

MET #6: Provide EOD Support to Special Operations Forces and other Government Agencies		
EOD-SPEC-6903	Apply specialized explosive techniques at sensitive sites	YES
EOD-SPEC-6904	Detect hazards using advanced tools and techniques	YES
EOD-SPEC-6905	Access explosive devices using advanced tools and techniques	YES
EOD-SPEC-6906	Diagnose hazards using advanced tools and techniques	YES

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CHAPTER 3

COLLECTIVE EVENTS

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EOD T&R MANUAL

CHAPTER 3

COLLECTIVE EVENTS

3000. PURPOSE

Chapter 3 contains collective training events for the Explosive Ordnance Disposal Technician/Officer.

3001. EVENT CODING. Events in the T&R manual are depicted with a 12 field alphanumeric system, i.e., XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one. Each event starts with EOD, indicating that the event is for units in the Explosive Ordnance Disposal Technician/Officer Occupational Field.

b. Field two. This field is alpha characters indicating a functional area. In this T&R Manual, the functional areas for collective training events are:

<u>Code</u>	<u>Description</u>	<u>Example</u>
ADMN	Administrative Functions	EOD-ADMN-XXXX
CBRN	Chemical, Biological, Radiological or Nuclear	EOD-CBRN-XXXX
DEMO	Demolitions	EOD-DEMO-XXXX
DISP	Disposal	EOD-DISP-XXXX
IED	Improvised Explosive Devices	EOD-IED-XXXX
INTL	Intelligence	EOD-INTL-XXXX
NEUT	Neutralization	EOD-NEUT-XXXX
RECN	Reconnaissance	EOD-RECN-XXXX
RSP	Render Safe Procedures	EOD-RSP-XXXX
SPEC	Special Operations	EOD-SPEC-XXXX

c. Field three. This field provides the unit level at which the event is accomplished and numerical sequencing;

<u>Level</u>	<u>Number Series</u>	<u>Example</u>
RESPONSE TEAM	3000	EOD-ADMN-3001
EOD SECTION	4000	EOD-ADMN-4001
EOD PLATOON/COMPANY	5000	EOD-ADMN-5001
STAFF/SPECIAL OPERATIONS	6000	EOD-ADMN-6001

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3002. INDEX OF COLLECTIVE EVENTS BY LEVEL

Event Code	E-Coded	Event	Page
		3000 LEVEL	
EOD-ADMN-3001		Advise personnel on explosive hazards	3-5
EOD-ADMN-3002		Complete EOD reporting requirements	3-5
EOD-CBRN-3101		Conduct CBRN downwind hazard prediction	3-6
EOD-CBRN-3102		Establish a command post	3-7
EOD-CBRN-3103	Yes	Conduct CBRN reconnaissance operations	3-8
EOD-CBRN-3104		Conduct sensitive site exploitation	3-9
EOD-CBRN-3105		Prepare decontaminates	3-10
EOD-CBRN-3106		Destroy chemical/biological materials	3-10
EOD-CBRN-3107	Yes	Perform leak seal and packaging procedures on CBRN materials	3-11
EOD-CBRN-3108	Yes	Perform CBRN render safe procedures	3-12
EOD-CBRN-3109		Detect CBRN contamination types/levels	3-13
EOD-DISP-3301	Yes	Destroy explosive hazards	3-13
EOD-IED-3401		Employ Electronic Countermeasures (ECM)	3-14
EOD-IED-3402		Employ remote techniques	3-14
EOD-IED-3403	Yes	Identify explosive and non-explosive components	3-15
EOD-IED-3404	Yes	Destroy explosive hazards from improvised explosive devices	3-16
EOD-INTL-3501	Yes	Conduct post blast analysis	3-17
EOD-NEUT-3601	Yes	Employ specialized explosive disruption charges	3-19
EOD-NEUT-3602		Conduct recovery of explosive hazards	3-20
EOD-NEUT-3601	Yes	Conduct disposal of explosive hazards	3-20
EOD-NEUT-3602	Yes	Conduct render safe of improvised explosive device	3-21
EOD-RECN-3701		Identify environmental factors affecting operations	3-21
EOD-RECN-3702		Perform advanced access techniques	3-21
EOD-RECN-3703		Conduct vehicle search	3-22
EOD-RECN-3704		Conduct explosive ordnance disposal reconnaissance	3-23
EOD-RECN-3705	Yes	Identify explosive and non-explosive hazards utilizing publications	3-24
EOD-RSP-3801	Yes	Conduct render safe of conventional explosive hazard	3-25
EOD-RSP-3802	Yes	Conduct render safe of improvised explosive device	3-25
EOD-SPEC-3901		Gain entry to spaces containing explosive devices using advanced tools and techniques	3-26
		4000 LEVEL	
EOD-ADMN-4001		Advise commanders on countermeasures used against explosive hazards	3-28

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EOD-ADMN-4002		Advise commanders on EOD support to federal, state and local agencies	3-28
EOD-CBRN-4101		Conduct Emergency Personnel Decontamination Station (EPDS)	3-29
EOD-INTL-4501		Conduct EOD intelligence preparation of battlefield	3-30
EOD-INTL-4502		Conduct field technical exploitation	3-31
		5000 LEVEL	
EOD-ADMN-5001		Advise commanders on EOD operations involving CBRN accident/incident support	3-33
EOD-ADMN-5002		Advise commanders on EOD assets in support of MAGTF operations	3-34
EOD-INTL-5501	Yes	Support WMD counter proliferation operations	3-34
		6000 LEVEL	
EOD-ADMN-6001	Yes	Draft Annex C Appendix 13 of the MAGTF Operational Plans	3-36
EOD-ADMN-6002		Advise commanders during Anti Terrorism Force Protection (ATFP) planning	3-37
EOD-ADMN-6003		Manage integration of Joint, Foreign and Non-governmental EOD agency	3-38
EOD-ADMN-6004		Advise on EOD roles in support of joint and coalition operations	3-39
EOD-SPEC-6901		Conduct target analysis	3-39
EOD-SPEC-6902		Employ dynamic entry techniques	3-40
EOD-SPEC-6903	Yes	Apply specialized explosive techniques at sensitive sites	3-42
EOD-SPEC-6904	Yes	Detect hazards using advanced tools and techniques	3-44
EOD-SPEC-6905	Yes	Access explosive devices using advanced tools and techniques	3-45
EOD-SPEC-6906	Yes	Diagnose hazards using advanced tools and techniques	3-47
EOD-SPEC-6907		Conduct special insertion techniques	3-47
EOD-SPEC-6908		Conduct special extraction techniques in support of SOF missions	3-49

3003. 3000 LEVEL COLLECTIVE EVENTS

EOD-ADMN-3001: Advise personnel on explosive hazards

SUPPORTED MET(S): 5

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given an Ordnance Order of Battle, AEODPS, Threat assessment and After Action Reports related to a specific Area of Operations.

STANDARD: To a level that will enhance their Combat effectiveness and situational awareness in order to reduce loss of life.

EVENT COMPONENTS:

1. Review Ordnance Order of Battle.
2. Review current threat assessment and extract pertinent UXO and IED information.
3. Cross-reference AEODPS information in order to identify applicable ordnance and IED threat.
4. Identify limitations that UXO and IEDs present to mission.
5. Prepare comprehensive brief.
6. Give Brief.

PREREQUISITE EVENTS:

2305-ADMN-2002	2305-RECN-2702	EOD-ADMN-3001
2305-RECN-2703	2305-RECN-2706	2305-RECN-2709

CHAINED EVENTS:

2305-NEUT-2601	EOD-ADMN-6001	EOD-CBRN-3101
2305-ADMN-2002		

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. FM 5-25 Explosives and Demolitions
 3. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
 4. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
 5. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
 6. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
 7. NAVSEA SW023-AH-WHM-010 Handling Ammunition and Explosives with Industrial Material Handling Equipment (MHE)
 8. NAVSEA SW060-AA-MMA-010 Demolition Materials
 9. SOP Unit Training
 10. Applicable Marine Corps Orders and Directives
-

EOD-ADMN-3002: Conduct EOD reporting requirements

SUPPORTED MET(S): 2

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Report significant information about EOD operation to chain of command and NAVEODTECHDIV.

CONDITION: Given a completed EOD operation, a computer, and appropriate software.

STANDARD: In a timely manner in accordance with local policy.

EVENT COMPONENTS:

1. With the required information submit a report required by chain of command
2. With the required information submit required report to NAVEODTECHDIV with CC copy to LPE
3. With the required information submit required report to intelligence agencies
4. With the required information submit required report to Law Enforcement agencies
5. Maintain copy of report for required period.
6. Submit report via appropriate format i.e. JDIGS

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
3. Op Order Annex C Appendix 13
4. Applicable Marine Corps Orders and Directives
5. Military Munitions Rule
6. National Response Plan

SUPPORT REQUIREMENTS:

EQUIPMENT: EOD book set and a dedicated EOD SIPR connection

EOD-CBRN-3101: Conduct CBRN downwind hazard prediction

SUPPORTED MET(S): 3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given an EOD element, while in appropriate PPE, and utilizing EOD tools and equipment, necessary publications, training area, scenario, threat device, and given weather conditions

STANDARD: To establish the proper direction and distance from contaminants to conduct sustained operations to include establishing a command post and designating a safe area.

EVENT COMPONENTS:

1. Acquire the current wind conditions.
2. Know formulas.
3. Calculate down wind hazard.
4. Understand and utilize CBRN wind wheel.
5. Interface the downwind hazard calculations.
6. Understand characteristics of chemical and biological agents.
7. Understand and be proficient with wind prediction equipment.

PREREQUISITE EVENTS:

2305-CBRN-1102 2305-CBRN-1103 2305-CBRN-1101

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
 3. DODDIR 3150.8 DOD Response to Radiological Accidents
 4. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
 5. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
 6. MCO 3440.7 Marine Corps Support to Civil Authorities
 7. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
 8. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
 9. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
 10. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
 11. NAVSEA OP 2173, VOL 1 Approved Handling Equipment for Weapons & Explosives (Adapters thru Latches)
 12. NAVSEA OP 2173, VOL 2 Approved Handling Equipment for Weapons & Explosives (Loaders thru Trucks)
 13. SWOP Special Weapons Ordnance Publications
-

EOD-CBRN-3102: Establish a command post

SUPPORTED MET(S): 3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given an EOD element, appropriate PPE, and utilizing EOD tools and equipment, necessary publications, training area, scenario.

STANDARD: To ensure a safe working area away from contaminated site.

EVENT COMPONENTS:

1. Coordinate with on scene commander.
2. Determine wind direction.
3. Select site.
4. Set up equipment.
5. Prep down range team.

PREREQUISITE EVENTS:

2305-CBRN-1102	2305-NEUT-2601	EOD-CBRN-3101
EOD-IED-3401	EOD-CBRN-3102	EOD-SPEC-6906
2336-CBRN-1106	EOD-CBRN-3109	EOD-ADMN-5001
EOD-CBRN-3103	EOD-CBRN-4101	EOD-RECN-3704

CHAINED EVENTS:

2305-CBRN-1104	2305-CBRN-1101	2305-CBRN-1102
2305-IED-1401	2305-RECN-1703	2305-RECN-2702
EOD-CBRN-4101	EOD-CBRN-3103	EOD-CBRN-3101
2336-CBRN-1106	EOD-CBRN-3109	EOD-RECN-3701

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2305-ADMN-2003

REFERENCES:

1. CFR 49 Hazardous Materials
2. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
3. DODDIR 3150.8 DOD Response to Radiological Accidents
4. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
5. MCO 3440.7 Marine Corps Support to Civil Authorities
6. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
7. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
8. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
9. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
10. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
11. SOP Unit Training
12. SWOP Special Weapons Ordnance Publications
13. Applicable Marine Corps Orders and Directives
14. National Response Plan

SUPPORT REQUIREMENTS:**RANGE/TRAINING AREA:**

Facility Code 17230 Gas Chamber
Facility Code 17330 Covered Training Area
Facility Code 17413 Field Training Area
Facility Code 17932 Decontamination Training Site
Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: All CBRN equipment in T/E and all expendables required.

EOD-CBRN-3103: Conduct CBRN reconnaissance operations

SUPPORTED MET(S): 3

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given an EOD team, while in appropriate PPE, and utilizing EOD tools and equipment, training area, scenario, and CBRN threat.

STANDARD: To identify hazards associated with CBRN munitions or devices.

EVENT COMPONENTS:

1. Coordinate with on scene Commander.
2. Determine hot lines.
3. Utilize detection equipment.
4. Mark and/or map contaminated area.
5. Take samples.
6. identify/Detect CBRNE hazards.

CHAINED EVENTS:

2305-NEUT-2601

2336-CBRN-1106

EOD-CBRN-3108

EOD-CBRN-3105

EOD-CBRN-3107

2305-CBRN-1103

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. DODDIR 3150.8 DOD Response to Radiological Accidents
 3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
-

EOD-CBRN-3104: Conduct sensitive site exploitation

SUPPORTED MET(S): 4

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a suspect facility, intelligence data, an EOD team and equipment in a field or garrison environment, day or night.

STANDARD: To exploit documents, equipment, and weapons related explosive or hazardous components to ensure explosive or non-explosive hazards are identified, mitigated, and/or recovered.

EVENT COMPONENTS:

1. Develop a comprehensive plan that ensures a safe collection of material while conducting an SSE.
2. Conduct analysis of intelligence for collection estimates.
3. Secure the site.
4. Collect on-site intelligence on conventional explosive ordnance and CBRN material during the conduct of exploitation operations.
5. Identify potential explosive and non-explosive hazards.
6. Exploit documents, equipment, and weapons related explosive or hazardous components.
7. Examine photograph sketch, then record and collect major evidence in the order that is most logical considering the need to preserve evidence.
8. Ensure all items are maintained in their original state in order to allow actual exploitation.
9. Ensure safety of exploitation team by mitigating explosive hazards that present a threat to the operation.
10. Report as required.

PREREQUISITE EVENTS:

EOD-CBRN-3103	EOD-ADMN-4002	2336-CBRN-1106
EOD-RECN-3704	EOD-CBRN-3104	2305-RECN-2705
EOD-INTL-4502		

CHAINED EVENTS:

EOD-SPEC-6903	EOD-CBRN-3108	EOD-CBRN-3101
EOD-DISP-3301	EOD-CBRN-3103	EOD-ADMN-3002
2305-RECN-2701	EOD-CBRN-3104	

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Hazardous Materials
3. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
4. DODDIR 3150.8 DOD Response to Radiological Accidents

5. DoD 5100.76 Physical Security of AA&E
6. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
7. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
8. FM 5-25 Explosives and Demolitions
9. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
10. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
11. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17830 Light Demolition Range

EOD-CBRN-3105: Prepare decontaminates

SUPPORTED MET(S): 3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given an EOD element, while in appropriate PPE, and utilizing EOD tools and equipment, necessary publications, training area, scenario, and threat device

STANDARD: To ensure CBRN hazards are neutralized.

EVENT COMPONENTS:

1. Identify Ordnance type and agent filler.
2. Don PPE.
3. Prepare decontaminates IAW references.

CHAINED EVENTS:

EOD-CBRN-3105 2336-CBRN-1106

RELATED EVENTS:

2305-CBRN-1102 2305-CBRN-1103 2305-CBRN-1104

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. FM 5-25 Explosives and Demolitions
 3. MCO 3440.7 Marine Corps Support to Civil Authorities
 4. NAVSEA SWO60-AA-MMA-010 Demolition Materials
-

EOD-CBRN-3106: Destroy chemical/biological materials

SUPPORTED MET(S): 3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a disposal site, proper decontaminates or neutralization materials, an EOD team with tools and demolition material.

STANDARD: In order to limit the spread of contamination and negate biological/chemical hazards.

EVENT COMPONENTS:

1. Select appropriate personal protective equipment (PPE) and tools.
2. Select suitable disposal location.
3. Notify Fire/ Medical first responders.
4. Establish initial exclusion area and downwind hazard distance.
5. Establish Emergency Personnel Decontamination Stations (EPDS).
6. Identify agent filler and select appropriate disposal method.
7. Complete disposal procedures.
8. Process team and equipment through EPDS.

CHAINED EVENTS:

EOD-CBRN-3106 2305-CBRN-1102

RELATED EVENTS:

2305-RECN-2707 2305-CBRN-1103 2305-CBRN-2101
EOD-CBRN-3108

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. FM 5-25 Explosives and Demolitions
 3. MCO 3440.7 Marine Corps Support to Civil Authorities
 4. NAVSEA SWO60-AA-MMA-010 Demolition Materials
-

EOD-CBRN-3107: Perform leak seal and packaging procedures on CBRN materials

SUPPORTED MET(S): 3

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given an EOD element, utilizing PPE, EOD tools and equipment, appropriate publications, CBRN decontaminates and packaging materials.

STANDARD: To eliminate the emission of contamination associated with the CBRN munitions or device.

EVENT COMPONENTS:

1. Separate leaking munitions from non-leaking munitions.
2. Perform gross decontamination of munitions if deemed necessary.
3. Rinse munitions if decontaminant is used.
4. Leak seal munitions with appropriate materials.
5. Decontaminate sealed munitions.
6. Wait required contact time.
7. Rinse munitions.
8. Tape bag closed using strong PSA tape.
9. Place munitions in plastic bag and check munitions for contamination using M18A3 Kit.

10. Seal final container.
11. Mark outside of the final container. Proceed to hotline.
12. Prior to crossing hot line, complete final vapor check. If necessary, repeat four step decontamination procedures.

PREREQUISITE EVENTS:

2305-ADMN-2001 2305-ADMN-2004

CHAINED EVENTS:

EOD-CBRN-3103	2305-CBRN-1103	2305-NEUT-2601
EOD-CBRN-4101	EOD-CBRN-3105	EOD-CBRN-3107
EOD-CBRN-3108	2336-CBRN-1106	

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
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EOD-CBRN-3108: Perform CBRN render safe procedures

SUPPORTED MET(S): 3

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given an EOD response team, EOD tools and equipment, training area, scenario, and ordnance or device.

STANDARD: To mitigate the hazards associated with CBRN in order to allow for follow on procedures to be conducted.

EVENT COMPONENTS:

1. Choose correct PPE.
2. Prepare RSP tools and equipment.
3. Gain entry and search for secondary devices.
4. Perform render safe procedure.
5. Conduct leak, seal and packaging mitigation techniques on CBRN components.

CHAINED EVENTS:

EOD-CBRN-3108	EOD-CBRN-3107	2305-NEUT-2601
2336-CBRN-1106	2305-CBRN-1103	EOD-CBRN-3105

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
 3. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
 4. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
 5. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
 6. SOP Unit Training
 7. Applicable Marine Corps Orders and Directives
-

EOD-CBRN-3109: Detect CBRN contamination types/levels

SUPPORTED MET(S): 3

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given an EOD team utilizing EOD tools and equipment, training area, scenario, and CBRN threat.

STANDARD: To reduce the hazards of exposure to contamination to personnel and equipment.

EVENT COMPONENTS:

1. Establish initial exclusion zone and downwind hazard area.
2. Establish command post.
3. Setup Emergency Personnel Decontamination Station (EPDS).
4. Select and don PPE.
5. Select and perform operational checks on chemical, biological and radiation detectors.
6. Perform down range reconnaissance and sampling.
7. Process team and samples through EPDS.

CHAINED EVENTS:

2305-CBRN-1103	2305-NEUT-2601	EOD-CBRN-3108
EOD-CBRN-3105	EOD-CBRN-3107	2336-CBRN-1106

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
-

EOD-DISP-3301: Destroy explosive hazards

SUPPORTED MET(S): 1

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given T/E, training area, and a scenario.

STANDARD: To ensure the protection of personnel, property and equipment.

EVENT COMPONENTS:

1. Determine location.
2. Identify environmental factors.
3. Determine measures necessary for protection of personnel and property.
4. Determine T/E required.
5. Determine Class V(W) required.
6. Destroy explosive hazards.
7. Destroy explosive hazards.
8. Evaluate.
9. Evaluate.
10. Destroy explosive hazards.
11. Evaluate.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. SOP Unit Training
 3. Applicable Marine Corps Orders and Directives
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EOD-IED-3401: Employ Electronic Countermeasures (ECM)

SUPPORTED MET(S): 2

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given enemy threat intelligence, ECM suite, and local commander's communications plan.

STANDARD: To counter the threat.

EVENT COMPONENTS:

1. Select ECM that matches most likely threat device frequency.
2. Test ECM functioning.
3. Identify effects on internal communications.
4. Identify effects on adjacent ECM in use.
5. Deploy ECM in a way that minimizes interference with internal communications and adjacent ECM.

PREREQUISITE EVENTS:

2305-IED-1401	2305-RECN-1704	EOD-INTL-4501
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CHAINED EVENTS:

2305-INTL-1501	EOD-IED-3403	2305-RECN-1704
2305-ADMN-2003	2305-ADMN-2005	2305-IED-2401
2305-NEUT-2601	2305-NEUT-2607	2305-NEUT-2609
2305-RECN-2701	2305-RECN-2709	2305-RECN-2705
2305-RECN-2708	EOD-ADMN-3001	2305-RECN-1703

RELATED EVENTS:

2305-IED-1401	2305-IED-2401
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REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. SOP Unit Training
3. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

EQUIPMENT: Provided ECM equipment

EOD-IED-3402: Employ remote techniques

SUPPORTED MET(S): 2

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Remotely access, diagnose, and disrupt IED from a safe area.

CONDITION: Given an IED, T/E, demolition materials, and a safe area.

STANDARD: Without exposing personnel unnecessarily to the hazards of a detonation.

EVENT COMPONENTS:

1. Select remote tool.
2. Prepare tool for employment.
3. Deploy tool.
4. Conduct remote actions.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
-

EOD-IED-3403: Identify explosive and non-explosive components

SUPPORTED MET(S): 2

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a suspect IED, an EOD response team, tools and equipment, day or night in a field or garrison environment.

STANDARD: In order to gain an understanding of the functioning/penalty and formulate a render safe procedure.

EVENT COMPONENTS:

1. Ensure area is safe to conduct EOD operations.
2. Conduct basic electronics diagnostic.
3. Identify explosive components.
4. Identify hazards.
5. Identify components of intelligence value.

PREREQUISITE EVENTS:

2305-RECN-2708	EOD-RECN-3705	2305-NEUT-2602
2305-RECN-1704	2305-RECN-1705	2305-INTL-1501
2305-RECN-1703	2305-NEUT-1602	2305-NEUT-1604
2305-IED-1401	2305-RSP-1802	2305-NEUT-2601
2305-RECN-2701	2305-RSP-2801	2305-DISP-2303
2305-ADMN-2002	2305-ADMN-2001	2305-RECN-2702
2305-RECN-2709	2305-RECN-2703	2305-RECN-2706
2305-NEUT-2603	2305-ADMN-2003	2305-IED-2401
2305-RECN-2707	2305-NEUT-2609	2305-RECN-2705
2305-NEUT-2611	2305-NEUT-2606	2305-DEMO-2202
2305-NEUT-2607	2305-SPEC-2901	2305-ADMN-2005
EOD-ADMN-3002	EOD-CBRN-3102	EOD-CBRN-3104
EOD-IED-3401	EOD-IED-3402	EOD-RSP-3802
EOD-NEUT-3601	EOD-NEUT-3602	EOD-RECN-3701
EOD-RECN-3703	EOD-RECN-3704	EOD-RSP-3801
EOD-RECN-3702	EOD-DISP-3301	2336-CBRN-1106

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EOD-SPEC-3901

2305-NEUT-1607

CHAINED EVENTS:

2305-RECN-2708	2305-RECN-1705	2305-NEUT-1607
2305-NEUT-2602	2305-RECN-1704	2305-INTL-1501
2305-RECN-1703	2305-NEUT-1602	2305-NEUT-1604
2305-IED-1401	2305-RSP-1802	2305-NEUT-2601
2305-RECN-2701	2305-DISP-2302	2305-DEMO-2203
2305-RSP-2801	2305-ADMN-2002	2305-ADMN-2001
2305-RECN-2702	2305-RECN-2709	2305-RECN-2703
2305-RECN-2706	2305-NEUT-2603	2305-IED-2401
2305-RECN-2707	2305-NEUT-2609	2305-RECN-2705
2305-NEUT-2611	2305-NEUT-2606	2305-DEMO-2202
2305-NEUT-2607	2305-SPEC-2901	2305-ADMN-2005
EOD-ADMN-3002	EOD-CBRN-3102	EOD-IED-3401
EOD-IED-3402	EOD-RSP-3802	EOD-NEUT-3601
EOD-NEUT-3602	EOD-IED-3404	EOD-RECN-3701
EOD-RECN-3703	EOD-RECN-3704	EOD-RSP-3801
EOD-RECN-3702	EOD-DISP-3301	EOD-SPEC-6903
EOD-SPEC-6904	EOD-SPEC-6905	EOD-SPEC-6906
EOD-SPEC-3901	EOD-RECN-3705	2305-NEUT-2608

RELATED EVENTS:

EOD-RECN-3705	2305-RECN-2706	2305-RECN-2702
2305-RECN-2709	2305-RECN-2703	

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

EQUIPMENT: EOD Robots, X-Ray systems, Hook and Line Kit, Bomb Suit, Inert Training Aids.

EOD-IED-3404: Destroy explosive hazards from improvised explosive devices

SUPPORTED MET(S): 2

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given appropriate personnel, demolitions material, EOD tools, safe disposal area, and an explosive hazard.

STANDARD: While minimizing collateral damage to infrastructure, personnel, and material.

EVENT COMPONENTS:

1. Select disposal site.
2. Select disposal method.
3. Select demolition materials.
4. Determine demolition material requirements.
5. Calculate safe distance.
6. Prepare disposal materials.

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7. Initiate firing train.
8. Verify complete disposal.

PREREQUISITE EVENTS:

2305-ADMN-2002	EOD-RECN-3705	EOD-ADMN-3002
2305-ADMN-2001		

CHAINED EVENTS:

2305-ADMN-2001	2305-ADMN-2002	EOD-RECN-3701
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REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Hazardous Materials
3. MCO 3440.7 Marine Corps Support to Civil Authorities
4. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
5. NAVSEA SWO60-AA-MMA-010 Demolition Materials
6. Op Order Annex C Appendix 13
7. SOP Unit Training
8. Applicable Marine Corps Orders and Directives
9. Military Munitions Rule

SUPPORT REQUIREMENTS:**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
M757 Charge, Assembly Demolition M183 Com	2
M130 Cap, Blasting Electric M6	6
M456 Cord, Detonating PETN Type I Class E	500 ft
MN08 Igniter, Time Blasting Fuse with Sho	10
M670 Fuse, Blasting Time M700	500 ft
M131 Cap, Blasting Non-Electric M7	10 ea

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Demolition Kit**UNITS/PERSONNEL:** Corpsman with Trauma Training**EOD-INTL-3501:** Conduct post blast analysis**SUPPORTED MET(S):** 4**EVALUATION-CODED:** YES**SUSTAINMENT INTERVAL:** 12 months**CONDITION:** Given an impact or detonation crater, fragmentation and/or components, an EOD response team, tools and equipment, day or night in a field or garrison environment.**STANDARD:** To accurately identify ordnance type/explosive device type, net explosive weight, components, possible initiation for intelligence and EOD reporting.

EVENT COMPONENTS:

1. Secure the area.
2. Search for secondary devices.
3. Gather fragmentation.
4. Collect photographic and forensic evidence.
5. Measure the crater.
6. Research fragmentation to accurately identify unexploded ordnance type/explosive device type, net Explosive weight, components, possible initiation.
7. Complete the report.

PREREQUISITE EVENTS:

2305-INTL-2501	2305-RECN-2709	EOD-IED-3403
EOD-INTL-3501	2305-RECN-2706	

CHAINED EVENTS:

EOD-ADMN-3002

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
3. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
4. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
5. NAVSEA SW023-AH-WHM-010 Handling Ammunition and Explosives with Industrial Material Handling Equipment (MHE)
6. NAVSEA SW020-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
7. NAVSEA SW020-AF-ABK-010 Motor Vehicle Driver Handbook for Ammunition, Explosives and Hazardous Materials
8. SOP Unit Training
9. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
D529 Projectile, 155mm High Explosive M79	3
M130 Cap, Blasting Electric M6	10ea
M131 Cap, Blasting Non-Electric M7	10ea
M456 Cord, Detonating PETN Type I Class E	500 ft
M757 Charge, Assembly Demolition M183 Com	2
M032 Charge, Demolition Block TNT 1-Pound	10
C256 Cartridge, 81mm High Explosive with	6
C445 Cartridge, 105mm HE M1 without Fuze	4
M670 Fuse, Blasting Time M700	500 ft
MN08 Igniter, Time Blasting Fuse with Sho	10
M591 Dynamite, Military M1	10
K180 Mine, Antitank Heavy M15	2

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Duddled
Facility Code 17820 Engineer Qualification Range, Non-Standardized

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Facility Code 17830 Light Demolition Range
Facility Code 17937 Aerial Bombing Range

MATERIAL: Purchase miscellaneous electronic components to replicate various IED triggers found.

UNITS/PERSONNEL: Corpsman or medical support

EOD-NEUT-3601: Employ specialized explosive disruption charges

SUPPORTED MET(S): 2

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given an IED, T/E, demolition material, and specialized disruption charges.

STANDARD: In order to disrupt the firing train or gain access.

EVENT COMPONENTS:

1. Select specialized charge.
2. Determine emplacement method.
3. Select initiation method.
4. Construct charge.
5. Emplace charge.
6. Evaluate.
7. Initiate charge.

PREREQUISITE EVENTS:

2305-IED-1401	EOD-RECN-3705	2305-RECN-1703
2305-RECN-1704	2305-RECN-1705	2305-RSP-1802
2305-ADMN-2001	2305-ADMN-2003	2305-ADMN-2005
2305-IED-2401	2305-NEUT-2601	2305-RECN-2701
2305-RECN-2702	2305-RECN-2703	2305-RECN-2709
2305-RECN-2705	2305-RECN-2706	2305-RECN-2707
2305-RECN-2708	EOD-ADMN-3001	EOD-IED-3401
EOD-IED-3402	EOD-IED-3403	EOD-RECN-3701
EOD-RECN-3703	EOD-RECN-3704	2305-INTL-1501

CHAINED EVENTS:

EOD-RECN-3701	EOD-IED-3404	EOD-RECN-3703
EOD-RECN-3704	EOD-RECN-3705	EOD-SPEC-3901
EOD-ADMN-4001	2305-IED-1401	2305-RECN-1703
2305-RECN-1704	2305-ADMN-2001	2305-ADMN-2002
2305-DISP-2301	2305-DISP-2302	2305-IED-2401
2305-INTL-2501	2305-NEUT-2601	2305-NEUT-2603
2305-NEUT-2608	2305-NEUT-2609	2305-RECN-2703
2305-RECN-2709	2305-RECN-2705	2305-RECN-2706
2305-RECN-2707	2305-RECN-2708	EOD-ADMN-3001
EOD-ADMN-3002	EOD-IED-3401	EOD-IED-3402
EOD-IED-3403	EOD-INTL-3501	EOD-RSP-3802
EOD-NEUT-3602	EOD-RECN-3702	

RELATED EVENTS:

2305-NEUT-2607

2305-NEUT-2603

2305-NEUT-2609

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
3. SOP Unit Training
4. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M130 Cap, Blasting Electric M6	5 ea
M981 Charge, Demolition Sheet 0.125 Inch	1 ft
MU40 Cord, Detonating 400 Grains per Foot	10 ft
M456 Cord, Detonating PETN Type I Class E	50 ft

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Demolition Kit, volumetric charges

MATERIAL: Simulated IEDs

UNITS/PERSONNEL: Corpsman with Trauma Training

EOD-NEUT-3602: Conduct recovery of explosive hazards

SUPPORTED MET(S): 2

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given an explosive hazard that cannot be destroyed in place.

STANDARD: To a safe location.

EVENT COMPONENTS:

1. Separate explosive components to extent possible.
2. Prepare explosives for transportation.
3. Load explosives for transportation.
4. Safely transport.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
 3. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver Handbook for Ammunition, Explosives and Hazardous Materials
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EOD-RECN-3701: Identify environmental factors affecting operations

SUPPORTED MET(S): 1

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Environmental factors include but are not limited to the following: terrain, weather, man made structures, surface, subsurface utilities, friendly, enemy and non-combatant personnel in the area of operation.

CONDITION: Given T/E, publications, training area, and scenario.

STANDARD: In order to mitigate those factors that adversely affects operations and increases the hazards to personnel, property and equipment.

EVENT COMPONENTS:

1. Observe area.
2. Determine environmental factors.
3. Take necessary protective measures based on factors.

PREREQUISITE EVENTS:

2305-ADMN-2002

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. CFR 49 Hazardous Materials
 3. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
 4. MCO 3440.7 Marine Corps Support to Civil Authorities
 5. MCO 8020.10 USMC Ammo & Explosives Safety Policy
 6. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
 7. TM-10 Applicable Manuals
 8. Applicable Marine Corps Orders and Directives
 9. Military Munitions Rule
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EOD-RECN-3702: Perform advanced access techniques

SUPPORTED MET(S): 2, 6

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given T/E, publications, training area, and scenario.

STANDARD: In order to confirm or deny the presence of an explosive hazard.

EVENT COMPONENTS:

1. Establish a secure work environment.
2. Establish a command post.
3. Identify area to be accessed.
4. Brief team on plan of action.
5. Prepare required tools.

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6. Don proper PPE.
7. Access specified area.

PREREQUISITE EVENTS:

2305-RECN-1703	2305-RECN-2708	EOD-RECN-3701
2305-ADMN-2003	EOD-CBRN-3102	EOD-RECN-3704

CHAINED EVENTS:

2305-RECN-1703	2305-RECN-2708	EOD-IED-3402
EOD-RECN-3702	2305-SPEC-2901	

RELATED EVENTS:

EOD-IED-3403	2305-RECN-2706	EOD-NEUT-3602
EOD-SPEC-6905	EOD-RSP-3802	2305-RECN-2701

REFERENCES:

1. 12 FAH-5 Physical Security Handbook
2. AEODPS 60 Series Automated EOD Publication System
3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
4. SOP Unit Training

SUPPORT REQUIREMENTS:**RANGE/TRAINING AREA:**

Facility Code 17962 MOUT Collective Training Facility (Small)
 Facility Code 17963 MOUT Collective Training Facility (Large)

EOD-RECN-3703: Conduct vehicle search**SUPPORTED MET(S):** 2**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**CONDITION:** Given a suspect vehicle, and T/E.**STANDARD:** To locate any potential hazards using search techniques.**EVENT COMPONENTS:**

1. Select search tools.
2. Establish Cordon.
3. Establish EOD CP.
4. Search surrounding area for secondaries.
5. Visually examine exterior from a safe distance.
6. Search vehicle interior.
7. Search trunk.
8. Search engine compartment.
9. Search undercarriage.
10. Once search complete turn over scene to the on scene commander.

PREREQUISITE EVENTS:

2305-RECN-2708	2305-RECN-1704	2305-INTL-1501
2305-IED-1401	2305-RECN-2701	2305-RECN-2706
EOD-IED-3402	2305-SPEC-2901	EOD-IED-3403

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2305-RECN-2709

EOD-RECN-3704

CHAINED EVENTS:

2305-NEUT-2609

EOD-IED-3401

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
3. MCO 3502.2 Marine Corps Special Skills Certification Program
4. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
5. Op Order Annex C Appendix 13
6. SOP Unit Training
7. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:**RANGE/TRAINING AREA:**

Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: HAL kit, bomb suit, robotic equipment, and EOD book set**MATERIAL:** Vehicle and IED Components**EOD-RECN-3704:** Conduct Explosive Ordnance Disposal reconnaissance**SUPPORTED MET(S):** 1**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months

DESCRIPTION: This is the initial step in any response action. The information gathered is used to determine what the explosive ordnance is and its origin.

CONDITION: Given T/E, a training area, and ordnance.

STANDARD: In order to gather required information needed to identify ordnance encountered.

EVENT COMPONENTS:

1. Determine a safe area.
2. Determine safeties that will be observed.
3. Determine safe direction of approach.
4. Annotate measurements, key identification features, nomenclature, color.
5. Conduct publications research.
6. Identify ordnance.

CHAINED EVENTS:

2305-RECN-1702

2305-RECN-1705

2305-INTL-1501

EOD-RECN-3704

2305-ADMN-2003

2305-RECN-2707

2305-RECN-1703

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REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
4. MCO 1510.78 Individual Training Standards System for Ammunition and Explosive Ordnance Disposal, OCCFLD 23
5. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
6. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
7. MCO 8020.1 Handling, Transportation, Storage, Reclassification and Disposal of Class V(W) Material
8. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
9. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
10. NAVSEA SW023-AH-WHM-010 Handling Ammunition and Explosives with Industrial Material Handling Equipment (MHE)
11. NAVSEA SW020-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
12. NAVSEA SW020-AF-ABK-010 Motor Vehicle Driver Handbook for Ammunition, Explosives and Hazardous Materials
13. NAVSEA SW060-AA-MMA-010 Demolition Materials

SUPPORT REQUIREMENTS:**RANGE/TRAINING AREA:**

Facility Code 17413 Field Training Area

Facility Code 17962 MOUT Collective Training Facility (Small)

Facility Code 17963 MOUT Collective Training Facility (Large)

EOD-REC-3705: Identify explosive and non-explosive hazards utilizing publications

SUPPORTED MET(S): 1, 3

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a scenario with unidentified explosives and related non-explosive hazards, an EOD response team, tools and equipment, day or night in a field or garrison environment.

STANDARD: In order to safely prepare them for documentation, transportation, and/or treatment.

EVENT COMPONENTS:

1. Secure the area.
2. Search for all hazards.
3. Mark the location of all hazards.
4. Obtain samples of each hazard and match their description to the publications.
5. Identify the explosives.
6. Identify the non-explosive hazards.
7. Complete EOD reporting requirements.

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REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
3. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials

SUPPORT REQUIREMENTS:**RANGE/TRAINING AREA:**

Facility Code 17830 Light Demolition Range

EOD-RSP-3801: Conduct render safe of conventional explosive hazard**SUPPORTED MET(S):** 1**EVALUATION-CODED:** YES**SUSTAINMENT INTERVAL:** 12 months

DESCRIPTION: An RSP (Render Safe Procedure) dependant on the item, consists of specific actions required in order to make an explosive hazard safe for transport to a suitable disposal site.

CONDITION: Given T/E, training area, scenario, unexploded ordnance, Class V (W).

STANDARD: In order to make explosive hazard safe for transport to disposal site.

EVENT COMPONENTS:

1. Establish a safe area to operate from.
2. Identify environmental factors.
3. Conduct recon.
4. Identify hazard.
5. Determine protective measures.
6. Implement protective measures.
7. Identify procedure.
8. Conduct render safe procedure.
9. Evaluate render safe procedure results.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. SOP Unit Training
 3. Applicable Marine Corps Orders and Directives
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EOD-RSP-3802: Conduct Render Safe of Improvised Explosive Device**SUPPORTED MET(S):** 2**EVALUATION-CODED:** YES**SUSTAINMENT INTERVAL:** 12 months

CONDITION: Given an IED, a course of action, T/E, tools and equipment, and a secure site.

STANDARD: To prevent device functioning by interrupting the firing train.

EVENT COMPONENTS:

1. Determine Render Safe Procedure (RSP) method/tool to be used.
2. Prepare tool procedure to be used.
3. Employ method or tool.
4. Check for secondaries.
5. Evaluate render safe procedure.
6. Collect components.
7. Complete EOD report.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EOD-SPEC-3901: Gain entry to spaces containing explosive devices using advanced tools and techniques

SUPPORTED MET(S): 2, 3, 4, 6

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a scenario with a potential explosive device, an EOD response team, tools and equipment, day or night in a field or garrison environment.

STANDARD: Without changing the environment or disturbing the explosive device.

EVENT COMPONENTS:

1. Secure the area.
2. Identify possible sensors and triggers.
3. Search for secondary devices.
4. Identify the construction and entry ways of the space.
5. Select the best entry point.
6. Configure advanced tools and techniques for entry.
7. Without detection, neutralize sensors and triggers.
8. Gain positive entry without compromising sensors and triggers.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
3. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
4. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment

5. SOP Unit Training
6. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17311 Range Support Building

MATERIAL: Training IED with penalty. Space with multiple entryways.

UNITS/PERSONNEL: Corpsman or medical support.

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EOD-ADMN-4001: Advise Commanders on countermeasures used against explosive hazards

SUPPORTED MET(S): 5, 6

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Counter measures include: Electronic countermeasures, advanced explosive techniques, personal protective equipment (PPE), exploitation of sites to help identify additional hazards and develop tactics, techniques and procedures (TTPs).

CONDITION: Given the most current threat assessment involving explosive hazards, a list of available equipment, Ordnance Order of Battle.

STANDARD: In order to identify the countermeasures against a specific threat.

EVENT COMPONENTS:

1. Identify the capabilities of tools and equipment
2. Analyze the threat assessment
3. Identify the countermeasure capability
4. Identify appropriate PPE that are available
5. Identify current TTPs
6. Identify electronic countermeasure requirements to counter the threat.
7. Prepare courses of action for the commander

CHAINED EVENTS:

2305-IED-1401

EOD-ADMN-5001

EOD-ADMN-3001

EOD-ADMN-6002

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
3. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
4. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
5. MCO 3440.7 Marine Corps Support to Civil Authorities
6. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
7. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
8. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
9. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
10. SOP Unit Training
11. Applicable Marine Corps Orders and Directives

EOD-ADMN-4002: Advise Commanders on EOD support to federal, state and local agencies

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SUPPORTED MET(S): 5, 6**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**DESCRIPTION:** Provide the commander with the appropriate information required to make a decision to provide support to Federal, State, and local agencies.**CONDITION:** Given a homeland defense scenario, an EOD section with full T/E, and applicable reference material during day and night time hours.**STANDARD:** In order to provide an accurate situational brief that contains the who, what, when, where, and why that allows the commander to make an informed decision.**EVENT COMPONENTS:**

1. Review current references.
2. Coordinate with local, federal, and state authorities.
3. Coordinate with other base/command elements. ie. MWD/Hazmat.
4. Coordinate with other military installations within your region.
5. Identify availability of personnel to support requirements.
6. Identify required special Tools and equipment required.
7. Review and recommend updates to existing MOAs with other agencies.
8. Ensure all SOPs and MOAs support the National Response Plan.

PREREQUISITE EVENTS:

EOD-ADMN-6002	EOD-ADMN-6003	EOD-ADMN-5002
EOD-ADMN-3001	EOD-ADMN-5001	EOD-ADMN-4001
EOD-ADMN-4002		

CHAINED EVENTS:

2305-NEUT-2601	EOD-ADMN-3001	EOD-ADMN-6002
2305-ADMN-2002		

REFERENCES:

1. CFR 49 Hazardous Materials
2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
3. MCO 3440.7 Marine Corps Support to Civil Authorities
4. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
5. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
6. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
7. Applicable Marine Corps Orders and Directives
8. Military Munitions Rule
9. National Response Plan

EOD-CBRN-4101: Conduct Emergency Personnel Decontamination Station (EPDS) operations**SUPPORTED MET(S):** 3**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**CONDITION:** Given an EOD section, while in appropriate PPE, and utilizing EOD

tools and equipment, training area, scenario, and water source.

STANDARD: To eliminate the spread of contamination from personnel and equipment exposed in a CBRN environment.

EVENT COMPONENTS:

1. Establish initial exclusion area and downwind hazard distance.
2. Select and don protective clothing.
3. Perform detector test in proposed CP EPDS site.
4. Establish Hotline.
5. Prepare decons.
6. Setup EPDS.
7. Process personnel and equipment.

PREREQUISITE EVENTS:

2305-ADMN-2004

CHAINED EVENTS:

EOD-CBRN-3105	2305-NEUT-2601	2305-CBRN-1103
EOD-CBRN-4101		

RELATED EVENTS:

2305-RECN-2707	2305-CBRN-2102	EOD-CBRN-3108
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REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Hazardous Materials
3. DODDIR 3150.8 DOD Response to Radiological Accidents
4. SOP Unit Training
5. Applicable Marine Corps Orders and Directives
6. National Response Plan

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17963 MOUT Collective Training Facility (Large)

EOD-INTL-4501: Conduct EOD intelligence preparation of battlefield

SUPPORTED MET(S): 4, 5

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given an area of operation, required EOD references, day or night in a field or garrison environment.

STANDARD: By providing technical guidance to unit commanders and staff planners from the issue of warning order through mission execution.

EVENT COMPONENTS:

1. Conduct mission analysis.
2. Gather threat ordnance information from Ordnance Order of Battle (OOB).

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3. Recommend T/O&E to mitigate threats posed by ordnance present in area of operation (AO).
4. Review references to determine known and unknown threats to operations.
5. Coordinate EOD specific information to intelligence estimate of the enemy.

CHAINED EVENTS:

2305-RECN-2703 EOD-SPEC-6901

RELATED EVENTS:

EOD-INTL-5501 EOD-CBRN-3104

REFERENCES:

1. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
 2. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
 3. Op Order Annex C Appendix 13
 4. SOP Unit Training
 5. Applicable Marine Corps Orders and Directives
-

EOD-INTL-4502: Conduct field technical exploitation**SUPPORTED MET(S):** 4**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**CONDITION:** Given a known or unknown ordnance item, EOD team, tools and equipment, day or night in a field or garrison environment.**STANDARD:** Ensuring the fuzing, firing, functioning, and render safe procedures can be determined.**EVENT COMPONENTS:**

1. Determine the type and condition of the ordnance item to be disassembled/inerted.
2. Request approved procedures from CMC (LPE-1).
3. Perform diagnostic procedures using X-ray equipment to determine fuze condition and method of disassembly.
4. Research publications, and with the aid of x-rays, determine arming sequence and develop disassembly/inerting procedures.
5. Identify appropriate safety precautions.
6. Disassemble/inert known or unknown ordnance item so the fusing, firing, functioning and render safe procedures can be determined.
7. Disassemble the ordnance item.
8. Segregate hazardous components.
9. Determine measurements of the ordnance item and its components.
10. Photograph components and compile exploitation report.

PREREQUISITE EVENTS:

2305-INTL-1501 2305-RECN-1705

CHAINED EVENTS:2305-RECN-1705 EOD-INTL-4502 2305-NEUT-2608
2305-ADMN-2003

REFERENCES :

1. AEODPS 60 Series Automated EOD Publication System
2. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
3. FM 5-25 Explosives and Demolitions
4. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
5. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
6. MCO 8023.3A Personnel Qualification and Certification Program for Class V Ammunition and Explosives
7. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
8. NAVSEA SWO60-AA-MMA-010 Demolition Materials
9. Op Order Annex C Appendix 13

SUPPORT REQUIREMENTS :

RANGE/TRAINING AREA :

Facility Code 17413 Field Training Area
Facility Code 17830 Light Demolition Range
Facility Code 17430 Impact Area Dudded

3005. 5000 LEVEL COLLECTIVE EVENTS

EOD-ADMN-5001: Advise Commanders on EOD operations involving CBRN accident/Incident support

SUPPORTED MET(S): 5

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: CBRN events may include munitions or materials identified as a chemical, biological, radiological, nuclear, to include improvised devices.

CONDITION: Given a scenario involving a CBRN accident or incident, an EOD team, T/E, and applicable publications.

STANDARD: To allow the commander to make an informed decision.

EVENT COMPONENTS:

1. Determine exactly what the CBRN hazards are.
2. Develop supportable courses of action.
3. Establish liaisons with support agencies.
4. Review SOPs and response plans
5. Determine the scope of work
6. Determine the tools and equipment not currently available.
7. Determine the level of EOD support required.

PREREQUISITE EVENTS:

2305-NEUT-2601 2305-CBRN-1102

CHAINED EVENTS:

2305-CBRN-1102 2305-NEUT-2601 EOD-CBRN-3101
EOD-CBRN-3109 2305-CBRN-1103

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. CFR 49 Hazardous Materials
 3. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
 4. DODDIR 3150.8 DOD Response to Radiological Accidents
 5. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
 6. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
 7. MCO 3440.7 Marine Corps Support to Civil Authorities
 8. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
 9. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
 10. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
 11. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
 12. NAVSEA OP 2165 Transportation Safety Handbook for AMMO & Explosives
 13. SOP Unit Training
 14. SWOP Special Weapons Ordnance Publications
 15. Applicable Marine Corps Orders and Directives
 16. National Response Plan
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EOD-ADMN-5002: Advise Commanders on EOD assets in support of MAGTF operations

SUPPORTED MET(S): 5

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Provide the commander with appropriate information that allows for the proper organization and utilization of assets.

CONDITION: With given personnel and a deployment order.

STANDARD: In order to effectively employ all MAGTF EOD assets.

EVENT COMPONENTS:

1. Review appropriate operations order
2. Conduct a mission analysis
3. Validate available resources (Personnel and equipment)
4. Plan for EOD support to cover required tasks
5. Brief Commanders on all assets within the applicable MAGTF
6. Incorporate EOD assets in MAGTF scheme of maneuver
7. Synchronize MAGTF assets to support EOD operations

CHAINED EVENTS:

2305-NEUT-2601

EOD-ADMN-6001

EOD-ADMN-6002

REFERENCES:

1. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
 2. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
 3. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
 4. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
 5. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
 6. Op Order Annex C Appendix 13
 7. SOP Unit Training
 8. Applicable Marine Corps Orders and Directives
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EOD-INTL-5501: Support WMD Counter Proliferation Operations

SUPPORTED MET(S): 4

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given data, intelligence, and EOD personnel and equipment In a field or garrison environment, day or night.

STANDARD: To gather or identify explosive or non-explosive hazards related to WMD suspect devices in order to mitigated risk to personnel, property, and operations.

EVENT COMPONENTS:

1. Locate WMD material.
2. Identify WMD material.

3. Render safe WMD device/material.
4. Recover WMD material.
5. Leak, seal and package of WMD device/material.

PREREQUISITE EVENTS:

EOD-INTL-5501	EOD-ADMN-4002	EOD-ADMN-6002
EOD-ADMN-5001	EOD-ADMN-6003	EOD-ADMN-5002

CHAINED EVENTS:

2305-RECN-1703	2305-INTL-1501	2305-NEUT-2601
2305-CBRN-1104	EOD-INTL-5501	2305-CBRN-1101
2305-ADMN-2003	EOD-CBRN-3103	EOD-IED-3402
2305-RECN-1705		

REFERENCES:

1. 12 FAH-5 Physical Security Handbook
2. AEODPS 60 Series Automated EOD Publication System
3. CFR 49 Hazardous Materials
4. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
5. DODDIR 3150.8 DOD Response to Radiological Accidents
6. DoD 5100.76 Physical Security of AA&E
7. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
8. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
9. FM 5-25 Explosives and Demolitions
10. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
11. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
12. MCO 3440.7 Marine Corps Support to Civil Authorities
13. MCO 3502.2 Marine Corps Special Skills Certification Program
14. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
15. MCO 8020.1 Handling, Transportation, Storage, Reclassification and Disposal of Class V(W) Material
16. MCO 8020.10 USMC Ammo & Explosives Safety Policy
17. NAVSEA OP 2165 Transportation Safety Handbook for AMMO & Explosives
18. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
19. NAVSEA SW023-AH-WHM-010 Handling Ammunition and Explosives with Industrial Material Handling Equipment (MHE)
20. NAVSEA SW020-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
21. Op Order Annex C Appendix 13
22. SOP Unit Training
23. SWOP Special Weapons Ordnance Publications
24. Applicable Marine Corps Orders and Directives
25. National Response Plan

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17413 Field Training Area
Facility Code 17963 MOUT Collective Training Facility (Large)

3006. 6000 LEVEL COLLECTIVE EVENTS

EOD-ADMN-6001: Draft Annex C Appendix 13 of the MAGTF Operational Plans

SUPPORTED MET(S): 5

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Draft the EOD portion of a MAGTF Operational Order.

CONDITION: With the aid of references and given a Higher Headquarters Operational Order.

STANDARD: To clearly state the integration, interoperability and support requirements for EOD assets that most effectively supports the MAGTF in a specific AOR.

EVENT COMPONENTS:

1. Review Higher HQ Operational Orders, (EOD- annex C appendix 13 of Higher HQ).
2. Obtain commanders intent.
3. Conduct a mission analysis.
4. Conduct Battle space analysis.
5. Identify EOD resources, (Personnel; other service/multination, Equipment; critical reach back).
6. Identify supported Unit (Size, Lay down posture, mission).
7. Identify EOD support requirements, (Class V(w), Vehicles, Communications, ECM, robotics, etc.).
8. Identify Constraints and Restraints.
9. Write and staff the Draft.
10. Advise Commanders on EOD MAGTF capabilities with regards to the annex C app 13.

PREREQUISITE EVENTS:

EOD-INTL-4501 EOD-ADMN-6001

CHAINED EVENTS:

2305-ADMN-2005	EOD-ADMN-3002	EOD-ADMN-4001
EOD-ADMN-6004	EOD-ADMN-5001	EOD-ADMN-6002
EOD-ADMN-5002	EOD-ADMN-4002	

REFERENCES:

1. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
 2. MCO 8010.1 Class V(W) SUP FMF CBT OP
 3. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
 4. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
 5. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
 6. Op Order Annex C Appendix 13
 7. SOP Unit Training
 8. Applicable Marine Corps Orders and Directives
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EOD-ADMN-6002: Advise Commanders during Anti Terrorism Force Protection (ATFP) planning

SUPPORTED MET(S): 5

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Advise Commanders during the planning phases of the Anti-Terrorism Force Protection plan for an installation or a specific area of operation.

CONDITION: Given appropriate personnel, a vulnerability assessment, standard ATFP Plan, threat assessment and a list of available tools and assets.

STANDARD: In order to identify and list the necessary steps and procedures required, in order to maximize the mitigation of the effects of weapons and threats against installations and friendly forces.

EVENT COMPONENTS:

1. Review ATFP Plan.
2. Review vulnerability assessment.
3. Review threat assessment.
4. Identify available support assets.
5. Review Ordnance Order of Battle.
6. Analyze effectiveness of current protective measures.
7. Make recommendations for improvement to the Commander.

PREREQUISITE EVENTS:

EOD-ADMN-5002	EOD-ADMN-4001	EOD-ADMN-4002
EOD-ADMN-6002		

CHAINED EVENTS:

2305-CBRN-1102	2305-RECN-2706	EOD-ADMN-6001
EOD-ADMN-4001	EOD-ADMN-5002	

REFERENCES:

1. 12 FAH-5 Physical Security Handbook
 2. AEODPS 60 Series Automated EOD Publication System
 3. DoD 5100.76 Physical Security of AA&E
 4. MCO 3440.7 Marine Corps Support to Civil Authorities
 5. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
 6. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
 7. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
 8. Op Order Annex C Appendix 13
 9. SOP Unit Training
 10. Applicable Marine Corps Orders and Directives
 11. Military Munitions Rule
 12. National Response Plan
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EOD-ADMN-6003: Manage Integration of Joint, foreign and non-governmental EOD agencies

SUPPORTED MET(S): 5

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: N/A

CONDITION: Given a scenario in a joint service and coalition environment.

STANDARD: In order to ensure total coverage of the area of responsibility.

EVENT COMPONENTS:

1. Conduct liaison.
2. Review mission statement.
3. Identify available EOD resources.
4. Identify EOD shortfalls.
5. Determine supported/supporting relationships with Joint and Coalition.
6. Advise on allocation of EOD forces with regards to mission requirements.
7. Identify required logistics and methods in order to sustain EOD operations.
8. Advise Commander of other agencies that can support mission requirements.
9. Provide EOD specific data and knowledge in support of intelligence requirements.
10. Draft and submit required reports with regards to EOD.
11. Draft or update appropriate inputs to annexes and appendices.

CHAINED EVENTS:

2305-NEUT-2601	2305-ADMN-2004	2305-ADMN-2003
2305-ADMN-2005	EOD-INTL-4502	EOD-ADMN-3001
EOD-ADMN-3002	EOD-RECN-3701	EOD-ADMN-4001
EOD-ADMN-4002	EOD-ADMN-5001	EOD-ADMN-5002
EOD-ADMN-6003	EOD-ADMN-6002	EOD-ADMN-6004
2305-ADMN-2002		

REFERENCES:

1. 12 FAH-5 Physical Security Handbook
 2. AEODPS 60 Series Automated EOD Publication System
 3. DoD 5100.76 Physical Security of AA&E
 4. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
 5. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
 6. FM 5-25 Explosives and Demolitions
 7. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
 8. MCO 3440.7 Marine Corps Support to Civil Authorities
 9. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
 10. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
 11. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
 12. Op Order Annex C Appendix 13
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EOD-ADMN-6004: Advise on EOD roles in support of joint and coalition operations

SUPPORTED MET(S): 5

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given appropriate personnel and the requirement to support a Joint/Coalition mission.

STANDARD: In order to meet the Commander's intent and mission specific requirements.

EVENT COMPONENTS:

1. Review mission statement.
2. Identify available EOD resources.
3. Identify EOD shortfalls.
4. Determine supported/supporting relationships with Joint and Coalition.
5. Advise on allocation of EOD forces with regards to mission requirements.
6. Identify required logistics and methods in order to sustain EOD operations.
7. Advise Commander of other agencies that can support mission requirements.
8. Provide EOD specific data and knowledge in support of intelligence requirements.
9. Draft and submit required reports with regards to EOD.
10. Draft or update appropriate inputs to annexes and appendices.

CHAINED EVENTS:

EOD-ADMN-3002	EOD-ADMN-4001	2305-ADMN-2003
EOD-ADMN-6002	EOD-ADMN-5001	

RELATED EVENTS:

2305-IED-1401	2305-NEUT-2601	EOD-ADMN-3001
EOD-ADMN-6001		

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. Op Order Annex C Appendix 13
3. SOP Unit Training

EOD-SPEC-6901: Conduct target analysis

SUPPORTED MET(S): 6

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: This mission will be an EOD collateral task in support of a Special Operations Forces (SOF) mission. This requires advanced training in structural and demolition skills application.

CONDITION: Given a mission, day or night, a target, appropriate intelligence products, and appropriate tools.

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STANDARD: To enable successful SOF mission accomplishment.

EVENT COMPONENTS:

1. Upon receipt of a warning order initiate mission analysis.
2. Identify agencies to support specific intelligence needs.
3. Contact agencies to support specific intelligence needs.
4. Upon receipt of intelligence products incorporate into mission planning.
5. Continue mission planning with consideration to mission constraints and restraints fuse with target information.
6. Develop appropriate mock ups to aid in rehearsals.
7. Conduct rehearsals.

PREREQUISITE EVENTS:

2305-ADMN-2005

CHAINED EVENTS:

2305-ADMN-2001	2305-SPEC-2902	2305-RECN-2705
2305-ADMN-2005	2305-SPEC-2901	EOD-SPEC-3901
EOD-SPEC-6902	EOD-SPEC-6903	EOD-SPEC-6907
EOD-SPEC-6908	EOD-CBRN-3104	

REFERENCES:

1. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
2. FM 5-25 Explosives and Demolitions
3. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
4. MCO 3502.2 Marine Corps Special Skills Certification Program
5. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
6. MCO 8010.1 Class V(W) SUP FMF CBT OP
7. NAVSEA SWO60-AA-MMA-010 Demolition Materials
8. SOP Unit Training
9. Applicable Marine Corps Orders and Directives
10. Dynamic Entry Handbook

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17963 MOUT Collective Training Facility (Large)

Facility Code 17830 Light Demolition Range

ROOMS/BUILDINGS: MOUT facility and breaching range

EOD-SPEC-6902: Employ dynamic entry techniques

SUPPORTED MET(S): 6

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Dynamic Entry Techniques are techniques that are non-standard methods of entry into a structure or target. These dynamic means of entry are extremely precise and include close in proximities to extreme hazards. These methods of entry include but are not limited to explosive, ballistic,

mechanical, and thermal.

CONDITION: In a Special Operations Forces (SOF) environment.

STANDARD: To enable mission accomplishment against standard and non-standard targets.

EVENT COMPONENTS:

1. Perform the use of an advance priming system.
2. Show knowledge of specialized demolition materials.
3. Show knowledge of civilian explosives.
4. Conduct a mechanical breach.
5. Conduct a ballistic breach.
6. Conduct a explosive breach.
7. Conduct a thermal breach.
8. Conduct a breach using specialized explosives.
9. Conduct a breach using civilian explosives.
10. Breach a non standard target.
11. Breach a high security target.
12. Employ civilian ballistic breaching ammunition.
13. Research and verify the safety of new explosive, ballistic, mechanical, and thermal ideas, or methods of entry

PREREQUISITE EVENTS:

2305-ADMN-2001	EOD-SPEC-6907	EOD-SPEC-6901
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CHAINED EVENTS:

2305-ADMN-2001	2305-SPEC-2902	2305-SPEC-2901
2305-ADMN-2005	EOD-SPEC-6908	EOD-SPEC-6901
EOD-SPEC-6902	EOD-SPEC-6903	EOD-SPEC-6907
EOD-NEUT-3601		

RELATED EVENTS:

EOD-NEUT-3601

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
3. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
4. MCO 3502.2 Marine Corps Special Skills Certification Program
5. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
6. MCO 8020.1 Handling, Transportation, Storage, Reclassification and Disposal of Class V(W) Material
7. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
8. NAVSEA SWO60-AA-MMA-010 Demolition Materials
9. Op Order Annex C Appendix 13
10. SOP Unit Training
11. Applicable Marine Corps Orders and Directives
12. Dynamic Entry Handbook

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MM28 C3 Sheet Explosive	2 ft
MN89 Dual instantaneous shock tube	12 rolls
MM27 Charge, Demolition Sheet Explosive	6 ft
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
MM29 Charge, Demolition Sheet Explosive	6 ft
M986 Sheet Explosive	12 ft
ML03 Firing Device, Demolition Multi-Purp	3 ea
MM45 Charge, Demolition Flexible Linear S	6 ft
MM42 Charge, Demolition Flexible Linear S	6 ft
M980 Charge, Demolition Sheet 0.0831 Inch	12 ft
MM30 Charge, Flexible 20 Gram PETN MK140	13 ea
M981 Charge, Demolition Sheet 0.125 Inch	5 ft
A024 Cartridge, 12 Gauge Door Breaching M	5 ea
M130 Cap, Blasting Electric M6	10
M456 Cord, Detonating PETN Type I Class E	70 ft
MM46 Charge, Demolition Flexible Linear S	6

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17962 MOUT Collective Training Facility (Small)

EQUIPMENT: Breacher Kit

MATERIAL: Consumables

UNITS/PERSONNEL: Corpsman with Trauma Training

EOD-SPEC-6903: Apply specialized explosive techniques at sensitive sites

SUPPORTED MET(S): 6

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Using EOD advanced explosive experience and techniques in order to support SOF operations.

CONDITION: Given specialized explosives and equipment in a Special Operations (SO) mission environment.

STANDARD: That produces positive results.

EVENT COMPONENTS:

1. Calculate minimum safe distance.
2. Select material, explosives, and initiation system.
3. Select technique.
4. Assemble system.
5. Initiate system.

6. Employ non standard initiating explosive.
7. Employ non standard specialized explosives.
8. Employ civilian explosive.
9. Employ civilian priming systems.

PREREQUISITE EVENTS:

EOD-CBRN-3104 EOD-SPEC-6901

CHAINED EVENTS:

EOD-INTL-5501 EOD-CBRN-3104 EOD-SPEC-6902
EOD-SPEC-6901 EOD-SPEC-6908

RELATED EVENTS:

2305-SPEC-2901 EOD-INTL-5501 EOD-INTL-4501

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
4. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
5. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
6. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
7. Applicable Marine Corps Orders and Directives
8. Dynamic Entry Handbook

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M131 Cap, Blasting Non-Electric M7	10
ML03 Firing Device, Demolition Multi-Purp	10
MN08 Igniter, Time Blasting Fuse with Sho	10
M130 Cap, Blasting Electric M6	10
M670 Fuse, Blasting Time M700	500 ft
M023 Charge, Demolition Block M112 1-1/4	30
MM51 Charge, Demolition Low Hazard MK143	10
MM44 Charge, Demolition Flexible Linear S	12 ft
MM43 Charge, Demolition Flexible Linear S	12 ft
MM46 Charge, Demolition Flexible Linear S	12 ft
MM47 Charge, Demolition Flexible Linear S	12 ft
M757 Charge, Assembly Demolition M183 Com	2
AX14 Primer, Percussion 12 Gauge W209	1 Box
MM56 Detonator, Non-Electric MK123 Mod 0	10
M982 Charge, Demolition Sheet 0.161 Inch	30 ft
MM30 Charge, Flexible 20 Gram PETN MK140	10
M981 Charge, Demolition Sheet 0.125 Inch	30 ft
M980 Charge, Demolition Sheet 0.0831 Inch	30 ft
FZ14 Grenade, Riot Control CS L96	10

EQUIPMENT: General purpose tool kit, Individual Assault Kit, Commercial Det Cord, Commercial Plastic Explosives, Commercial Blasting Caps, Commercial Boosters, Commercial Binary Explosives, Commercial Flex Linear Shape Charge, Commercial Explosive Cutting Tape (ECT)

MATERIAL: Electrical tape, Riger Tape, Ammunitions and Ordnance for disposal operations

UNITS/PERSONNEL: All EOD personnel, however, standard is geared for EOD personnel that will support MARSOC missions

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Graduate Basic EOD school, Graduate Advanced Explosive Techniques, Graduate Advanced Explosive Destruction techniques

EOD-SPEC-6904: Detect hazards using advanced tools and techniques

SUPPORTED MET(S): 6

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Supporting a SOF unit executing a WMD proliferation mission the EOD tech must be able to detect and diagnose traces of chemical, biological and radiological weapons and/or components.

CONDITION: In a SOF mission environment.

STANDARD: To confirm or deny the presence of chemical, biological, and radiological items.

EVENT COMPONENTS:

1. Upon insertion determine the requirement for area monitoring.
2. Upon reaching the objective conduct area and point monitoring.
3. Upon identifying hazards take the appropriate actions to secure the hazard and protect the force.
4. Confirm that immediate actions taken have shielded or eliminated the hazard.
5. Before extraction ensure that all personnel are not contaminated and any items recovered are clean or shielded.

PREREQUISITE EVENTS:

EOD-RECN-3702 2305-ADMN-2004

CHAINED EVENTS:

2305-RECN-1704	EOD-SPEC-6901	2305-CBRN-1104
2305-INTL-1501	2305-CBRN-1101	2305-CBRN-1103
2305-CBRN-1102	2305-RECN-1703	2305-IED-1401
2305-NEUT-2601	2305-RECN-2701	2305-IED-2401
2305-INTL-2501	2305-RECN-2702	2305-RECN-2709
2305-RECN-2706	2305-ADMN-2003	2305-RECN-2707
2305-RECN-2705	2305-SPEC-2901	EOD-CBRN-3101
EOD-CBRN-3105	EOD-INTL-5501	2305-RECN-1705

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
3. DODDIR 3150.8 DOD Response to Radiological Accidents

4. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
5. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
6. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
7. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
8. MCO 3502.2 Marine Corps Special Skills Certification Program
9. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
10. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
11. Op Order Annex C Appendix 13
12. SOP Unit Training
13. SWOP Special Weapons Ordnance Publications
14. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: The EOD tech must have available the standard T/E point and area detection equipment from the TECHDIV and supporting command i.e. SOCOM.

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Basic EOD School, Joint Nuclear EOD (JNEOD), and WMD courses

EOD-SPEC-6905: Access explosive devices using advanced tools and techniques

SUPPORTED MET(S): 6

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Supporting SOF operations the EOD technician must be able to perform missions requiring advanced tools and techniques in a non-permissive environment. This event is IED/hand entry centric.

CONDITION: In a Special Operations Forces (SOF) mission environment.

STANDARD: In order to perform a successful procedure.

EVENT COMPONENTS:

1. Research intelligence products for any established TTPs for devices common to the Action Officer.
2. Prepare the mission specific equipment.
3. Insert with the mission specific equipment.
4. Utilize the appropriate tools and techniques in order to access explosive devices using hand, mechanical, thermal or energetic methods.
5. Select method for advanced access technique (hand, mechanical, energetic).
6. Access the device without producing unacceptable collateral damage.

7. Access the device without producing casualties from hostages or non-combatants that can not be evacuated.
8. Recover all tools to be used in future missions after access is completed.

PREREQUISITE EVENTS:

2305-NEUT-1604	2305-NEUT-2602	EOD-SPEC-6904
2305-IED-1401	EOD-SPEC-6905	2305-SPEC-2901
2305-RSP-1802	2305-RECN-2709	2305-RECN-2706
2305-RECN-1705	2305-INTL-1501	2305-CBRN-1101
2305-CBRN-1103	2305-NEUT-1607	EOD-INTL-4501

CHAINED EVENTS:

2305-SPEC-2902	2305-DEMO-2203	2305-SPEC-2901
EOD-SPEC-6901	EOD-INTL-5501	

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
4. MCO 3502.2 Marine Corps Special Skills Certification Program
5. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
6. NAVSEA SWO60-AA-MMA-010 Demolition Materials
7. Op Order Annex C Appendix 13
8. SOP Unit Training
9. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
DWEC Cartridge, 12 Gauge, MK 277 MOD 0 (E	1
DWEI Pyrotechnic Lead Spool Assembly, MK	1
M174 Cartridge, Caliber .50 Impulse Elect	5
A086 Cartridge, Caliber .22 M24 Ball Long	50
A363 Cartridge, 9mm Ball M882	50
M023 Charge, Demolition Block M112 1-1/4	30
M130 Cap, Blasting Electric M6	10
M131 Cap, Blasting Non-Electric M7	10
M456 Cord, Detonating PETN Type I Class E	500
M981 Charge, Demolition Sheet 0.125 Inch	30 ft
M766 Igniter, M60 for Time Blasting Fuse	10
MM30 Charge, Flexible 20 Gram PETN MK140	10
MM45 Charge, Demolition Flexible Linear S	12 ft
M670 Fuse, Blasting Time M700	500 ft

EQUIPMENT: This task requires EOD specific advanced equipment fielded by the NAVEODTECHDIV and supporting commands i.e. SOCOM.

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Graduate of the Basic EOD School, Advanced IED Training, Electronics Course, and Currently serving in an EOD billet

EOD-SPEC-6906: Diagnose hazards using advanced tools and techniques

SUPPORTED MET(S): 6

EVALUATION-CODED: YES

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Supporting a SOF unit executing a WMD proliferation mission the EOD tech must be able to detect and diagnose traces of chemical, biological and radiological weapons and/or components.

CONDITION: In a special operations/counter proliferation mission environment.

STANDARD: In order to identify and mitigate hazards associated with WMDs and special weapons.

EVENT COMPONENTS:

1. Conduct mission analysis, determine potential hazards and select required tools/detectors.
2. Ensure tools are operable and calibrated if required.
3. Select and utilize appropriate PPE.
4. Establish hazard area and EPDS IAW SOP.
5. Conduct monitoring to detect hazard.
6. Upon detection of hazard utilize diagnostic equipment to identify the specific threat.
7. Report the detection and diagnosis of material to higher authorities.

PREREQUISITE EVENTS:

2305-CBRN-1101 2305-CBRN-1104

CHAINED EVENTS:

EOD-CBRN-3109

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
3. DODDIR 3150.8 DOD Response to Radiological Accidents
4. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
5. SOP Unit Training
6. SWOP Special Weapons Ordnance Publications
7. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

EQUIPMENT: This training will require source training aids in order to provide realistic training while using detectors.

EOD-SPEC-6907: Conduct special insertion techniques

SUPPORTED MET(S): 6

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: SOP insertion techniques include foot, motorized, HRST, waterborne, and airborne techniques

CONDITION: Given a SOF mission.

STANDARD: In order to successfully insert with all required equipment to complete the mission.

EVENT COMPONENTS:

1. Upon receipt of the warning order confirm the insertion method to be used.
2. During the rehearsal stage conduct the appropriate rehearsals unique to the insertion method.
3. Inspect the individual insertion equipment for serviceability.
4. Stage the individual insertion equipment for the mission.
5. Conduct the insertion technique utilizing the appropriate equipment.
6. Conduct special insertion.
7. Upon insertion recover all equipment and continue the mission.

PREREQUISITE EVENTS:

2305-ADMN-2003

CHAINED EVENTS:

2305-RECN-2708	2305-DISP-2302	2305-SPEC-2902
EOD-RECN-3702	EOD-SPEC-3901	2305-RECN-2706
EOD-SPEC-6907	EOD-SPEC-6902	EOD-DISP-3301
EOD-SPEC-6905	EOD-ADMN-6004	EOD-RECN-3705

RELATED EVENTS:

2305-ADMN-2003	2305-RECN-2706	2305-RECN-2703
2305-RECN-2709	2305-NEUT-2607	EOD-SPEC-6907
2305-SPEC-2901	2305-SPEC-2902	2305-RECN-2708

REFERENCES:

1. MCO 3502.2 Marine Corps Special Skills Certification Program
2. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
3. SOP Unit Training

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
L275 Signal, Smoke-Illumination Marine Or	3

AIRCRAFT: The Command must coordinate all aircraft requirements to support the airborne insertions skills.

EQUIPMENT: Life support equipment i.e. para/scuba must be maintained and provided from the command for EOD personnel.

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Basic Airborne, Helicopter Rope Suspension Training (HRST), and SCUBA

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EOD-SPEC-6908: Conduct special extraction techniques in support of SOF missions

SUPPORTED MET(S): 6

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: SOP extraction techniques include foot, motorized, HRST, waterborne, and airborne techniques

CONDITION: Given a SOF mission.

STANDARD: In order to ensure a successful extraction.

EVENT COMPONENTS:

1. Upon receipt of the warning order, confirm extraction method to be used.
2. During the rehearsal stage, conduct the appropriate rehearsals unique to the extraction method.
3. Inspect the individual extraction equipment for serviceability.
4. Conduct the extraction technique utilizing the appropriate equipment.
5. Stage the individual extraction equipment for the mission.
6. Conduct special extraction.
7. Upon extraction recover all equipment and continue the mission.

CHAINED EVENTS:

EOD-CBRN-3104	EOD-INTL-5501	2305-RECN-2705
EOD-SPEC-6903	EOD-SPEC-6901	EOD-SPEC-6902
EOD-INTL-4502		

RELATED EVENTS:

EOD-RECN-3703	2305-RECN-2705	EOD-INTL-5501
EOD-SPEC-6902	EOD-SPEC-6905	EOD-SPEC-6901

REFERENCES:

1. MCO 3502.2 Marine Corps Special Skills Certification Program
2. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
3. SOP Unit Training

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces
 Facility Code 17440 Personnel/Equipment Drop Zone
 Facility Code 17413 Field Training Area
 Facility Code 17963 MOUT Collective Training Facility (Large)
 Facility Code 17962 MOUT Collective Training Facility (Small)

AIRCRAFT: This training will be coordinated and conducted with the supporting ACE unit.

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: HRSTAIRBORNECWS-1

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CHAPTER 4

MOS 2305 INDIVIDUAL EVENTS

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EOD T&R MANUAL

CHAPTER 4

MOS 2305 INDIVIDUAL EVENTS

4000. PURPOSE. This chapter contains individual training events for the Explosive Ordnance Disposal Officer.

4001. EVENT CODING. Events in the T&R manual are depicted with a 12 field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one. Each event starts with 2305, indicating that the event is for MOS 2305, Explosive Ordnance Disposal Officer.

b. Field two. This field is alpha characters indicating a functional area. In this chapter, the functional areas are as follows:

<u>Code</u>	<u>Description</u>	<u>Example</u>
ADMN	Administrative Functions	2305-ADMN-XXXX
CBRN	Chemical, Biological, Radiological or Nuclear	2305-CBRN-XXXX
DEMO	Demolitions	2305-DEMO-XXXX
DISP	Disposal	2305-DISP-XXXX
IED	Improvised Explosive Devices	2305-IED-XXXX
INTL	Intelligence	2305-INTL-XXXX
NEUT	Neutralization	2305-NEUT-XXXX
RECN	Reconnaissance	2305-RECN-XXXX
RSP	Render Safe Procedures	2305-RSP-XXXX
SPEC	Special Operations	2305-SPEC-XXXX

c. Field three. All individual events within T&R Manuals are either 1000-level for events taught at MOS-producing formal schools or 2000-level for events taught at advanced-level schools or MOJT. This chapter contains 1000 and 2000-level events.

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4002. INDEX OF INDIVIDUAL EVENTS

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2305-DEMO-1206	Select disposal site	4-14
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2305-DISP-1301	Dispose of explosives by burning	4-16
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2305-NEUT-1605	Conduct render safe procedure on aircraft explosive hazards	4-25
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2305-RECN-1701	Identify unknown unexploded ordnance	4-28
2305-RECN-1702	Locate buried ordnance using sub-surface detection equipment	4-29
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2305-RECN-1704	Operate EOD robotic tool sets	4-31
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2305-RECN-1706	Recover buried Unexploded Explosive Ordnance (UXO)	4-33
2305-RSP-1801	Operate a MK 1 Mod 3 Remote Wrench	4-33
2305-RSP-1802	Employ remote explosive wire cutters	4-35
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2305-ADMN-2003	Prepare Standing operating Procedures (SOP) FOR Explosive Ordnance Disposal (EOD)	4-38
2305-ADMN-2004	Conduct accident/incident response planning	4-40
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2305-CBRN-2102	Conduct leak seal and packaging procedures on chemical munitions	4-43
2305-DEMO-2201	Employ commercial and/or foreign military explosives	4-44
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2305-DISP-2301	Supervise emergency disposal of ammunition	4-46
2305-DISP-2302	Conduct emergency destruction of ammunition	4-47
2305-DISP-2303	Operate the designated marksmanship rifle	4-48
2305-IED-2401	Supervise an Improvised Explosive Device (IED) response	4-49
2305-INTL-2501	Conduct post-blast analysis of detonation site	4-50
2305-INTL-2502	Supervise removal of explosives during exploitation	4-52
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2305-NEUT-2601	Establish EOD Command Post	4-53
2305-NEUT-2602	Employ MK 38 Mod 0 Small Caliber Dearmer (SCD)	4-54
2305-NEUT-2603	Neutralize ordnance by low order detonation	4-55
2305-NEUT-2604	Remove explosive hazards from aircraft	4-56
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2305-NEUT-2610	Recover explosive hazards from a damaged/crashed aircraft	4-63
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2305-RECN-2701	Detect explosive hazards utilizing EOD tools	4-65
2305-RECN-2702	Identify chemical compounds associated with IED manufacturing	4-66
2305-RECN-2703	Identify foreign weapons systems	4-67
2305-RECN-2704	Identify commercial explosives	4-67
2305-RECN-2705	Conduct building search	4-68
2305-RECN-2706	Identify improvised explosives	4-69
2305-RECN-2707	Conduct ordnance identification	4-70
2305-RECN-2708	Conduct vehicle search	4-71
2305-RECN-2709	Identify electronic components	4-71
2305-RECN-2710	Operate in confined spaces	4-72
2305-RSP-2801	Employ stand off munitions ordnance disruption	4-73
2305-SPEC-2901	Gain entry to spaces containing explosive devices using advanced tools and techniques	4-74
2305-SPEC-2902	Employ dynamic entry techniques	4-75

4003. 1000 LEVEL INDIVIDUAL EVENTS

2305-CBRN-1101: Perform radiological monitoring

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: N/A

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a radioactive source, radiac sets, EOD tools, and the reference(s).

STANDARD: To ensure the proper utilization of radiac equipment, observing all applicable safety precautions, per the reference(s).

PERFORMANCE STEPS:

1. Set up the radiac.
2. Conduct monitoring.
3. Monitor until radioactivity is detected.
4. Record radiation levels by observing meter reading or frequency clicks in headset.

PREREQUISITE EVENTS:

2305-NEUT-2601

CHAINED EVENTS:

2305-CBRN-1102	2305-ADMN-2003	2305-NEUT-2601
EOD-CBRN-3109	EOD-CBRN-3101	

RELATED EVENTS:

2305-RECN-2702	EOD-CBRN-3105	EOD-CBRN-3109
2305-CBRN-1104	EOD-CBRN-3101	2305-CBRN-1101
2336-CBRN-1106		

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. DODDIR 3150.8 DOD Response to Radiological Accidents
 3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
-

2305-CBRN-1102: Calculate downwind hazard area

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

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GRADES: WO-1, CWO-2, CWO-3, CAPT**INITIAL TRAINING SETTING:** FORMAL**CONDITION:** Given an incident site, known toxic chemical, known number of munitions involved in the incident, EOD tools, smoke grenade, thermometer, map of the area, and the reference(s).**STANDARD:** To ensure accurate calculation of downwind hazard area within 20 meters.**PERFORMANCE STEPS:**

1. Determine dosage.
2. Determine source strength.
3. Set off smoke grenade, using smoke to determine wind direction and speed.
4. Convert wind speed in meters per minute.
5. Determine temperature gradient.
6. Use calculator to determine length of downwind hazard and record on map.
7. Use calculator to determine vapor cloud width and record on map.

CHAINED EVENTS:

EOD-CBRN-3102	2305-RECN-2702	EOD-CBRN-3103
2336-CBRN-1106	EOD-CBRN-3101	

REFERENCES:

1. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
2. Applicable Marine Corps Orders and Directives
3. National Response Plan

SUPPORT REQUIREMENTS:**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
G940 Grenade, Hand Green Smoke M18	2

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces

EQUIPMENT: EOD CBRNE KIT, EOD Response Kit**2305-CBRN-1103:** Perform toxic chemical/biological agent detection tests**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**BILLETS:** EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander**GRADES:** WO-1, CWO-2, CWO-3, CAPT**INITIAL TRAINING SETTING:** FORMAL**CONDITION:** Given an EOD incident site, chemical detector kit, EOD tools, an assistant, and the reference(s).

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STANDARD: To ensure the proper use of chemical/biological agent detection equipment, per the reference(s).

PERFORMANCE STEPS:

1. Check for presence of toxic chemical agent using chemical agent detection paper.
2. Set up chemical agent detector.
3. Conduct monitoring.
4. Record all test results.

PREREQUISITE EVENTS:

2305-RECN-1703	2305-NEUT-2601	2336-CBRN-1106
EOD-CBRN-3101	2305-ADMN-2003	

CHAINED EVENTS:

2305-CBRN-1104	2305-RECN-2702	2305-CBRN-1103
2305-CBRN-1101		

RELATED EVENTS:

2305-RECN-2702	EOD-CBRN-3103	EOD-CBRN-3109
2305-NEUT-2608	2305-CBRN-1103	2305-CBRN-1104
2336-CBRN-1106		

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. DODDIR 3150.8 DOD Response to Radiological Accidents
3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program

2305-CBRN-1104: Operate self-contained breathing apparatus (SCBA)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given SCBA, an assistant and reference.

STANDARD: To ensure the proper donning of the SCBA, observing all applicable safety precautions.

PERFORMANCE STEPS:

1. Inspect SCBA components for serviceability.
2. Assemble the SCBA.
3. Don the SCBA.
4. Change air bottles as needed.
5. Remove SCBA.

PREREQUISITE EVENTS:

2305-CBRN-1104

CHAINED EVENTS:

2305-CBRN-1104

RELATED EVENTS:

2305-CBRN-1104

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
-

2305-CBRN-1105: Conduct CBRN reconnaissance operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD element, while in appropriate PPE, and utilizing EOD tools and equipment, necessary publications, training area, scenario, and threat device.

STANDARD: To identify hazards associated with CBRN munitions or devices.

PERFORMANCE STEPS:

1. Utilize monitoring equipment.
2. Mark and/or map contaminated area.
3. Take samples.
4. Determine hot line.
5. Employ remote tools.
6. Identify CBRNE hazards.
7. Communicate with Command Post.
8. Perform emergency measures.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. DODDIR 3150.8 DOD Response to Radiological Accidents
 3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
-

2305-CBRN-1106: Don protective clothing

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given EOD personnel, appropriate PPE, EOD tools and equipment, publications, training area, and a scenario.

STANDARD: In order to protect personnel with the ability to sustain operations in a contaminated environment.

PERFORMANCE STEPS:

1. Select appropriate personal protective equipment for the threat level.
2. Select proper respiratory equipment for the threat level.
3. Properly don personal protective equipment for the threat level.
4. Properly don respiratory equipment for the threat level.

PREREQUISITE EVENTS:

2336-CBRN-1106 2305-CBRN-1104

CHAINED EVENTS:

2336-CBRN-1106 EOD-CBRN-3101 EOD-CBRN-3102
EOD-RECN-3701

RELATED EVENTS:

EOD-CBRN-3109 EOD-CBRN-3108 EOD-CBRN-3107
EOD-CBRN-3102 EOD-CBRN-4101 EOD-CBRN-3101
2336-CBRN-1106 EOD-CBRN-3103

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Hazardous Materials
3. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
4. DODDIR 3150.8 DOD Response to Radiological Accidents
5. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
6. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
7. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
8. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
9. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
10. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
11. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
12. SOP Unit Training
13. SWOP Special Weapons Ordnance Publications
14. Applicable Marine Corps Orders and Directives
15. Applicable SL-3

SUPPORT REQUIREMENTS:

ROOMS/BUILDINGS: Training will be conducted in an appropriate training area that facilitates donning of personal protective equipment.

EQUIPMENT: EOD CBRN Kit, EOD Technicians Tool Kit, Standard Marine Issue PPE, and EOD Bomb Suit

UNITS/PERSONNEL: EOD Team, EOD Section, EOD Platoon, EOD Company, EOD Technician, EOD Asst. Team Leader, EOD Team Leader, EOD Chief, EOD OIC, EOD Platoon Commander, EOD Company Executive Officer, EOD Company Commander, and EOD Staff Officer.

2305-DEMO-1201: Initiate a non-electric firing system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given non-electric blasting caps, EOD tools, demolition materiel, a safe disposal area, an assistant, and the references.

STANDARD: To ensure proper initiation, observing all applicable safety precautions.

PERFORMANCE STEPS:

1. Assemble non electric firing system.
2. Emplace non electric firing system.
3. Initiate non electric firing system.

PREREQUISITE EVENTS:

2305-ADMN-2001

CHAINED EVENTS:

2305-ADMN-2001

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
3. NAVSEA SWO60-AA-MMA-010 Demolition Materials

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MN08 Igniter, Time Blasting Fuse with Sho	2 ea
M670 Fuse, Blasting Time M700	50 ft
M131 Cap, Blasting Non-Electric M7	1 ea

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit

UNITS/PERSONNEL: Trauma certified Corpsman

2305-DEMO-1202: Initiate an electric firing system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given EOD tools, demolition materiel, safe disposal site, an assistant, and the references.

STANDARD: To ensure safe, correct initiation of an electric firing system observing all applicable safety precautions.

PERFORMANCE STEPS:

1. Assemble electrical firing system.
2. Test electrical firing system.
3. Initiate firing system.

PREREQUISITE EVENTS:

2305-ADMN-2001

CHAINED EVENTS:

2305-ADMN-2001

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M023 Charge, Demolition Block M112 1-1/4	1 ea
M130 Cap, Blasting Electric M6	1 ea

EQUIPMENT: EOD Demo Kit

UNITS/PERSONNEL: Trauma certified Corpsman

2305-DEMO-1203: Initiate a remote firing device

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer,

Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a remote firing device, EOD tools, demolition material, safe disposal area, an assistant and references.

STANDARD: To ensure proper preparation, observing all applicable safety precautions, and initiation of the remote firing device per the reference.

PERFORMANCE STEPS:

1. Assemble the firing device.
2. Employ firing device.
3. Initiate firing device.

PREREQUISITE EVENTS:

2305-ADMN-2001

CHAINED EVENTS:

2305-ADMN-2001

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M023 Charge, Demolition Block M112 1-1/4	1 ea
M130 Cap, Blasting Electric M6	1 ea

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit

UNITS/PERSONNEL: Trauma certified Corpsman

2305-DEMO-1204: Initiate incendiary devices

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given incendiary devices, EOD tools, demolition materiel, a safe disposal area, an assistant, and the reference.

STANDARD: To ensure proper initiation, observing all applicable safety precautions.

PERFORMANCE STEPS:

1. Determine method of initiation.
2. Prepare incendiary device(s) for initiation.
3. Initiate incendiary device(s).

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
M130 Cap, Blasting Electric M6	1 ea
M131 Cap, Blasting Non-Electric M7	1 ea
MN08 Igniter, Time Blasting Fuse with Sho	2 ea
G900 Grenade, Hand Incendiary Thermite AN	1 ea
M670 Fuse, Blasting Time M700	50 ft

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo kit and Corpsman

2305-DEMO-1205: Initiate a detonating cord system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given detonating cord, demolition equipment, demolition material, safe disposal area, an assistant, and the references.

STANDARD: To ensure proper preparation of a detonating cord system observing all applicable safety precautions.

PERFORMANCE STEPS:

1. Prepare a detonating cord system.
2. Connect detonating cord system to firing system.
3. Initiate detonating cord system.

PREREQUISITE EVENTS:

2305-ADMN-2001

CHAINED EVENTS:

2305-ADMN-2001

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. NAVSEA SWO60-AA-MMA-010 Demolition Materials

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
M456 Cord, Detonating PETN Type I Class E	50 ft
M130 Cap, Blasting Electric M6	1 ea

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit

UNITS/PERSONNEL: Trauma certified Corpsman

2305-DEMO-1206: Select disposal site

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a quantity of explosives or ammunition for disposal, required equipment, map, and references.

STANDARD: To ensure appropriate location for a disposal site observing all applicable safety regulations and precautions per the references.

PERFORMANCE STEPS:

1. Calculate safe distance.
2. Ensure the location is clear of vegetation to a minimum of 300 feet.
3. Determine wind direction and speed.
4. Ensure air clearance can be established.
5. Determine location of natural barriers which meet requirements.
6. Determine protective barriers or distance requirements.
7. Plot the disposal area selected on a map.

PREREQUISITE EVENTS:

2305-CBRN-1102

2305-RECEN-2707

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
3. MCO 8020.10 USMC Ammo & Explosives Safety Policy
4. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
5. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
6. SOP Unit Training
7. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Map, Protractor, Pens

2305-DEMO-1207: Prepare shaped charges

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a shaped charge, EOD tools, demolition materiel, a safe disposal area, an assistant, and the reference.

STANDARD: To ensure safe preparation of shaped charges, observing all applicable safety precautions.

PERFORMANCE STEPS:

1. Prepare a shaped charge for use.
2. Prepare a firing system (electric or non-electric).
3. Initiate the firing system.

PREREQUISITE EVENTS:

2305-ADMN-2001

CHAINED EVENTS:

2305-ADMN-2001

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea

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MN90	Cap, Blasting, 1000 ft mini-tube M23	1 ea
MM54	Charge, Demolition Low Hazard MK149	1 ft
MM43	Charge, Demolition Flexible Linear S	1 ft
MM53	Charge, Demolition Low Hazard MK145	1 ft
MM52	Charge, Demolition Low Hazard MK144	1 ft
MM51	Charge, Demolition Low Hazard MK143	1 ft
MM48	Charge, Demolition Flexible Linear S	1 ft
MM47	Charge, Demolition Flexible Linear S	1 ft
MM46	Charge, Demolition Flexible Linear S	1 ft
MM45	Charge, Demolition Flexible Linear S	1 ft
MM44	Charge, Demolition Flexible Linear S	1 ft
M131	Cap, Blasting Non-Electric M7	2 ea
MN08	Igniter, Time Blasting Fuse with Sho	2 ea
M670	Fuse, Blasting Time M700	50 ft
MM41	Charge, Demolition Flexible Linear S	1 ft
MM42	Charge, Demolition Flexible Linear S	1 ft
M474	Container, Demolition Charge MK1 Mod	1 ea
M475	Container, Demolition Charge MK2 Mod	1 ea
M476	Container, Demolition Charge MK3 Mod	1 ea
M477	Container, Demolition Charge MK7 Mod	1 ea
M478	Container, Demolition Charge MK7 Mod	1 ea
M479	Container, Demolition Charge MK7 Mod	1 ea
M487	Container, Demolition Charge MK8 Mod	1 ea
M481	Container, Demolition Charge MK7 Mod	1 ea
M482	Container, Demolition Charge MK7 Mod	1 ea
M483	Container, Demolition Charge MK7 Mod	1 ea
M480	Container, Demolition Charge MK7 Mod	1 ea
M484	Container, Demolition Charge MK7 Mod	1 ea
M023	Charge, Demolition Block M112 1-1/4	4 ea
M130	Cap, Blasting Electric M6	5 ea

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit, shaped charge containers**UNITS/PERSONNEL:** Trauma certified Corpsman**2305-DISP-1301:** Dispose of explosives by burning**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**BILLETS:** EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander**GRADES:** WO-1, CWO-2, CWO-3, CAPT**INITIAL TRAINING SETTING:** FORMAL**CONDITION:** Given a specific amount of identified explosives and the selected burn site.**STANDARD:** In order to neutralize by thermal procedures.

PERFORMANCE STEPS:

1. Stage explosives to be burnt.
2. Select burn site IAW directives and SOPs.
3. Inspect burn site IAW directives and SOPs.
4. Prepare burn site IAW directives and SOPs.
5. Prepare initiation system.
6. Prepare dunnage pile.
7. Place explosives to be burnt on dunnage pile.
8. Place initiation system.
9. Ensure that burn area is secure.
10. Ensure all personnel are accounted for.
11. Initiate burn.
12. Seek frontal and overhead protection.
13. Observe the appropriate wait time.
14. Investigate results.

PREREQUISITE EVENTS:

2305-RECN-2702 2305-ADMN-2001

CHAINED EVENTS:

2305-ADMN-2001

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
4. SOP Unit Training
5. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN08 Igniter, Time Blasting Fuse with Sho	2 ea
M131 Cap, Blasting Non-Electric M7	1 ea
G900 Grenade, Hand Incendiary Thermite AN	3 ea
M023 Charge, Demolition Block M112 1-1/4	1 ea
M591 Dynamite, Military M1	3 ea
DA12 Charge, Propellant 155mm MACS M231	1 ea
M670 Fuse, Blasting Time M700	50 ft
D541 Charge, Propellant 155mm White Bag M	1 ea
M130 Cap, Blasting Electric M6	1 ea

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit

MATERIAL: Dunnage such as cardboard, paper or wood that will burn

UNITS/PERSONNEL: Trauma certified Corpsman

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2305-DISP-1302: Dispose of propellants**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**BILLETS:** EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander**GRADES:** WO-1, CWO-2, CWO-3, CAPT**INITIAL TRAINING SETTING:** FORMAL**CONDITION:** Given a known quantity of solid or granular propellant, safe disposal area, EOD tools, demolitions material, an assistant, and all applicable references.**STANDARD:** To ensure complete consumption.**PERFORMANCE STEPS:**

1. Select suitable site, clear of vegetation.
2. Ensure favorable environmental conditions.
3. Lay out propellants in accordance with references.
4. Build firing system.
5. Fire firing system.

PREREQUISITE EVENTS:

2305-ADMN-2001

CHAINED EVENTS:

2305-ADMN-2001

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
MN08 Igniter, Time Blasting Fuse with Sho	2 ea
D532 Charge, Propellant 155mm Red Bag M20	1 ea
M766 Igniter, M60 for Time Blasting Fuse	
M670 Fuse, Blasting Time M700	50 ft

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit**UNITS/PERSONNEL:** Trauma certified Corpsman**2305-IED-1401:** Employ electronic countermeasures**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months

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BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an electronic countermeasure and a reference

STANDARD: To ensure proper setup, placement and employment of the electronic countermeasure.

PERFORMANCE STEPS:

1. Prepare the electronic countermeasure for employment.
2. Place the electronic countermeasure.
3. Employ the electronic countermeasure.

PREREQUISITE EVENTS:

2305-ADMN-2003

CHAINED EVENTS:

2305-RECN-1704	EOD-ADMN-5002	2305-ADMN-2003
2305-IED-2401	2305-NEUT-2601	2305-RECN-2705
2305-RECN-2708	2305-ADMN-2005	EOD-IED-3401
EOD-IED-3402	EOD-RECN-3701	EOD-RECN-3703
EOD-RECN-3704	EOD-ADMN-4001	EOD-DISP-3301
2305-RECN-1703		

RELATED EVENTS:

EOD-IED-3401	EOD-ADMN-6002	EOD-ADMN-5002
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REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces

EQUIPMENT: T/O ECM Equipment

2305-INTL-1501: Operate x-ray equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an item, EOD tools, an assistant, and the reference.

STANDARD: To ensure efficient operation of x ray equipment, per the reference.

PERFORMANCE STEPS:

1. Perform operation check.
2. Position film/cassette.
3. Use shielding if required.
4. Place the x ray into position.
5. Operate the x ray.
6. Process and evaluate.
7. Retake as required.

CHAINED EVENTS:

2305-INTL-1501 2305-RECN-2707 2305-RECN-2709

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. SOP Unit Training
3. TM-10 Applicable Manuals
4. Applicable SL-3

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17330 Covered Training Area

EQUIPMENT: X-ray and applicable equipment.

MATERIAL: Item to be x-rayed

2305-NEUT-1601: Remove lodged projectile from a gun tube

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a known gun with a projectile lodged in its tube/chamber, EOD tools, demolition material, an assistant, and the references.

STANDARD: To ensure the safe removal of the projectile from the gun tube/chamber with minimal damage to the weapon system, observing all applicable safety precautions.

PERFORMANCE STEPS:

1. Have gun crew elevate tube in a safe direction.

2. Prepare pusher charge.
3. Locate and measure round in barrel.
4. Protect breach.
5. Load barrel with water.
6. Place charge at appropriate distance.
7. Tamp card.
8. Initiate charge.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M174 Cartridge, Caliber .50 Impulse Elect	1 ea
M130 Cap, Blasting Electric M6	1 ea

2305-NEUT-1602: Employ Mk 40 Mod 0 Unexploded Ordnance Stand-off Disrupter (UXOSD)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Mk 40 Mod 0, a target, and ammunition

STANDARD: and successfully employ tool against a point target in accordance with EODB 60 series publications

PERFORMANCE STEPS:

1. Prepare .50 cal cart.
2. Prepare tool in safe area.
3. Emplace disruptor at target site.
4. Return to safe area.
5. Fire disruptor.
6. Evaluate effect on target.
7. Perform PM on tool.

PREREQUISITE EVENTS:

2305-ADMN-2003	EOD-RECN-3701	2305-RECN-2707
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CHAINED EVENTS:

2305-NEUT-1602

RELATED EVENTS:

EOD-RECN-3704	2305-NEUT-1608	2305-NEUT-1605
2305-RECN-1703		

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
3. MCO 1510.78 Individual Training Standards System for Ammunition and Explosive Ordnance Disposal, OCCFLD 23
4. MCO 8020.10 USMC Ammo & Explosives Safety Policy
5. NAVSEA OP 4 Ammunition Afloat
6. SOP Unit Training
7. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M174 Cartridge, Caliber .50 Impulse Elect	5

RANGE/TRAINING AREA:

Facility Code 17431 Impact Area Non-Duddled
Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17430 Impact Area Duddled
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17830 Light Demolition Range
Facility Code 17710 Multipurpose Training Range (MPTR)

EQUIPMENT: Mk 40 Mod 0Demo ops kit

UNITS/PERSONNEL: Corpsman with blast/frag trauma training

2305-NEUT-1603: Employ tape and line techniques

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a known fuzed ordnance item, required equipment, an assistant, and the reference.

STANDARD: To ensure correct application of procedures to remove the fuze from an ordnance item.

PERFORMANCE STEPS:

1. Secure the ordnance to keep it from moving.
2. Attach the tape and line system.
3. Initiate the procedure from safe area.
4. Attempt to remove fuze.

PREREQUISITE EVENTS:

EOD-RECN-3701 2305-RECN-2707

CHAINED EVENTS:

EOD-RSP-3801

RELATED EVENTS:

2305-NEUT-1608 2305-RECN-1702

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17431 Impact Area Non-Dudded
Facility Code 17430 Impact Area Dudded
Facility Code 17937 Aerial Bombing Range

EQUIPMENT: MK1 Mod 3, EOD Tool Set

2305-NEUT-1604: Employ PAN disruptor

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD element, while in appropriate PPE, and utilizing EOD tools and equipment, necessary publications, training area, scenario, threat device, and given weather conditions.

STANDARD: To successfully neutralize the intended target.

PERFORMANCE STEPS:

1. Identify Target.
2. Select proper round.
3. Properly assemble tool.
4. Properly place tool.
5. Fire tool.
6. Evaluate effectiveness of tool.
7. Retrieve tools and equipment.
8. Perform preventive maintenance on tool.

PREREQUISITE EVENTS:

2305-RECN-2708 2305-RECN-1703 2305-RECN-2709

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2305-INTL-1501	2305-ADMN-2003	EOD-RECN-3701
EOD-RECN-3705	2305-RECN-2706	

CHAINED EVENTS:

2305-NEUT-1604	EOD-RSP-3802	2305-IED-2401
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RELATED EVENTS:

EOD-IED-3404	2305-IED-1401	2305-INTL-1501
2305-RECN-1705	EOD-NEUT-3602	EOD-ADMN-3002

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
4. MCO 8020.1 Handling, Transportation, Storage, Reclassification and Disposal of Class V(W) Material
5. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
6. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
7. NAVSEA SWO60-AA-MMA-010 Demolition Materials
8. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials
9. SOP Unit Training

SUPPORT REQUIREMENTS:**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
AA62 CTG, 12 GA, MK 274 UVS EOD USE	1 ea
AA63 CTG, 12 GA, MK 275 IEDSD EOD USE	1 ea
AA64 CTG, 12 GA, MK 276	1 ea
AA66 CTG, 12 GA, MK278 NON-LETHAL	1 ea
MN08 Igniter, Time Blasting Fuse with Sho	10 ea
DWED CTG, 12 Gauge, MK 279 Steel Slug	1 ea
DWEE CTG, 12 Gauge, MK 280 Aluminum Slug	1 ea
DWEI Pyrotechnic Lead Spool Assembly, MK	2 ea
DWEC Cartridge, 12 Gauge, MK 277 MOD 0 (E	1 ea

RANGE/TRAINING AREA:

Facility Code 17431 Impact Area Non-Dudded
 Facility Code 17926 Aerial Gunnery Range
 Facility Code 17937 Aerial Bombing Range
 Facility Code 17962 MOUT Collective Training Facility (Small)
 Facility Code 17963 MOUT Collective Training Facility (Large)
 Facility Code 17830 Light Demolition Range
 Facility Code 17430 Impact Area Dudded
 Facility Code 17710 Multipurpose Training Range (MPTR)
 Facility Code 17670 Mortar Range
 Facility Code 17650 Field Artillery Direct Fire Range

EQUIPMENT: PAN tool kit, water, and target material

2305-NEUT-1605: Conduct render safe procedure on aircraft explosive hazards

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an aircraft, aircraft safing pins, aircraft maintenance crew, and the reference(s).

STANDARD: To ensure the proper procedures are conducted per the reference(s).

PERFORMANCE STEPS:

1. Identify the type of aircraft.
2. Identify any ordnance being carried by the aircraft.
3. Render safe all ordnance on aircraft, if possible.
4. Render safe all ordnance delivery devices.
5. Identify all explosive hazards associated with aircrafts.
6. Render safe all identified explosive hazards.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
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2305-NEUT-1606: Clear aircraft gun

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING:

CONDITION: Given an aircraft gun with stuck ammunition, aircraft ordnance gun crew, EOD tools, safe disposal site, an assistant, and the reference(s)

STANDARD: To ensure the safe clearance of aircraft gun with minimal damage to the gun observing all applicable safety precautions

PERFORMANCE STEPS:

1. Review applicable aircraft and aviation publications
2. Ensure all safety measures have been taken specific to aircraft, weapon system, and AEHS.
3. Assess the situation and determine course of action.
4. remove stuck round if practical/possible

5. Remove gun from aircraft if required
6. Move gun to a safe disposal site
7. Disassemble gun
8. Determine and initiate method of attack per the reference
9. Examine all gun barrels for further stuck rounds.
10. Conduct appropriate turnover with responsible unit.

CHAINED EVENTS:

2305-NEUT-2604

RELATED EVENTS:

2305-NEUT-2604

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. SOP Unit Training
3. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

AIRCRAFT: EOD will coordinate with local units and aviation ordnance personnel to conduct training on Marine organic aircraft and Joint service aircraft.

EQUIPMENT: Most aircraft specific equipment (pin packs etc) will be made available by the Aviation Ordnance unit supporting the specific airframe and weapon system. Prior coordination for training and operations is required.

2305-NEUT-1607: Employ Mk 2 Mod 1 .50 Caliber Dearmer

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a known ordnance item, MK 2 Mod 1 .50 Cal dearmer, references, and required Class V

STANDARD: in order to appropriately render safe the targeted item.

PERFORMANCE STEPS:

1. Transport tool to ordnance site.
2. Secure tool.
3. Aim tool at designated site using proper slug.
4. Initiate tool from safe area.
5. Safe ordnance as directed by publication.

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PREREQUISITE EVENTS:

2305-RECN-1703

EOD-RECN-3701

2305-RECN-2707

CHAINED EVENTS:

2305-NEUT-1607

RELATED EVENTS:

2305-NEUT-1608

EOD-RSP-3801

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
3. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
4. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program

SUPPORT REQUIREMENTS:**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
MN08 Igniter, Time Blasting Fuse with Sho	5 ea
M130 Cap, Blasting Electric M6	5
M131 Cap, Blasting Non-Electric M7	5
M174 Cartridge, Caliber .50 Impulse Elect	5
A555 Cartridge, Caliber .50 Ball M33 Link	5
M670 Fuse, Blasting Time M700	50 ft
M456 Cord, Detonating PETN Type I Class E	50 ft

RANGE/TRAINING AREA:

Facility Code 17431 Impact Area Non-Dudded

Facility Code 17430 Impact Area Dudded

EQUIPMENT: Mk 2 Mod 1 .50 Cal. KitDemo ops Kit**MATERIAL:** Live or inert ordnance.**2305-NEUT-1608:** Clear surface ordnance from designated area**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**BILLETS:** EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander**GRADES:** WO-1, CWO-2, CWO-3, CAPT**INITIAL TRAINING SETTING:** FORMAL**CONDITION:** Given an impact area to be cleared, required equipment, personnel, and the references.**STANDARD:** Ensure complete and safe clearance of surface ordnance from the designated area, observing all applicable safety precautions, per the references.

PERFORMANCE STEPS:

1. Conduct range reconnaissance.
2. Prepare operations plan.
3. Perform ORM as applicable to the operation.
4. Brief team.
5. Perform range clearance.
6. Debrief team.

CHAINED EVENTS:

2305-ADMN-2002 2305-DISP-2303 2305-NEUT-2603

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. SOP Unit Training
3. Applicable Marine Corps Orders and Directives
4. Military Munitions Rule

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
M130 Cap, Blasting Electric M6	5
M131 Cap, Blasting Non-Electric M7	5
M456 Cord, Detonating PETN Type I Class E	500 ft
M670 Fuse, Blasting Time M700	100 ft
MN08 Igniter, Time Blasting Fuse with Sho	5
M023 Charge, Demolition Block M112 1-1/4	10
G950 Grenade, Hand Red Smoke M18	2 ea

EQUIPMENT: UXO Kit and Demo Ops Kit

UNITS/PERSONNEL: Corpsman with Advanced Trauma Training.

2305-RECN-1701: Identify unknown unexploded ordnance

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an unknown ordnance item, explosive ordnance disposal tools, an assistant, and all applicable references.

STANDARD: Ensure proper identification of the unknown explosive ordnance, observing all applicable safety precautions, per the references.

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PERFORMANCE STEPS:

1. Determine location and plot on map.
2. Conduct an EOD reconnaissance.
3. Tentatively identify UXO hazards.
4. Conduct research.
5. Report identification and hazards.

RELATED EVENTS:

EOD-IED-3403	2305-RECN-2709	2305-RECN-2702
2305-RECN-2703	EOD-RECN-3705	2305-RECN-2706

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

EQUIPMENT: Laptop with AEDOPS, EOD Tool Set

2305-RECN-1702: Locate buried ordnance using sub-surface detection equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a search area, ordnance locator, buried/submerged UXO, EOD tools, an assistant and reference.

STANDARD: To ensure buried UXO is correctly located, observing all applicable safety precautions.

PERFORMANCE STEPS:

1. Determine application to be used
2. Prepare ordnance locator for use
3. Search each segment systematically using the ordnance locator
4. Mark suspected buried UXO

PREREQUISITE EVENTS:

2305-RECN-1703	EOD-RECN-3701	2305-ADMN-2003
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CHAINED EVENTS:

2305-RECN-1702

RELATED EVENTS:

2305-RECN-2707

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

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SUPPORT REQUIREMENTS:

EQUIPMENT: Ordnance locator, power supply, digging tools, and marking equipment

2305-RECN-1703: Conduct area search

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a designated area, EOD tools, an assistant and reference(s).

STANDARD: To determine or negate the presence of explosives or hazards, per the reference(s).

PERFORMANCE STEPS:

1. Identify the area to be searched.
2. Determine to search method to be used.
3. Identify any potential hazards in area to be searched i.e. propane tanks, high voltage lines.
4. Brief EOD team.
5. Brief supporting personnel.
6. Establish perimeter.
7. Once search and EOD tasks are complete turn over to appropriate agency.
8. Search the area using proper search techniques.
9. Complete and submit required reports.

CHAINED EVENTS:

2305-RECN-2708

2305-RECN-1704

2305-IED-1401

2305-NEUT-2601

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3440.7 Marine Corps Support to Civil Authorities
3. SOP Unit Training
4. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces

Facility Code 17962 MOUT Collective Training Facility (Small)

Facility Code 17963 MOUT Collective Training Facility (Large)

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: The scope of this task can cover every type of environment from heavily populated urban settings to sparse mountainous desert climates. The threat can also range from a permissive to non-permissive environment. This task must be trained to support the higher Commands anticipated missions. This may include support to USSS, Special Operations Forces, Conventional forces, and Law Enforcement.

2305-RECN-1704: Operate EOD robotic tool sets

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD robotic tool set, an assistant and the reference

STANDARD: To ensure proper operation to accomplish required applications observing all applicable safety precautions, per the reference.

PERFORMANCE STEPS:

1. Set-up and operate the robotic tool set for tethered operations.
2. Set-up and operate the robotic tool set for wireless operations.
3. Set-up and operate the robotic tool set for shotgun disrupter operations.
4. Set-up and operate the robotic tool set for manipulator/gripper operations.
5. Accomplish required applications using the robotic tool set.

CHAINED EVENTS:

2305-RECN-1704

RELATED EVENTS:

EOD-RECN-3705

2305-NEUT-1607

2305-NEUT-1604

2305-RECN-2708

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
AA66 CTG, 12 GA, MK278 NON-LETHAL	1 ea
DWEI Pyrotechnic Lead Spool Assembly, MK	1 roll
M174 Cartridge, Caliber .50 Impulse Elect	2 ea
AA64 CTG, 12 GA, MK 276	1 ea
AA60 Cartridge, 12 Gauge #00 Buckshot	7 ea
AA62 CTG, 12 GA, MK 274 UVS EOD USE	1 ea

AA63 CTG, 12 GA, MK 275 IEDSD EOD USE 1 ea
A011 Cartridge, 12 Gauge #00 Buckshot M16 7 ea

RANGE/TRAINING AREA:

Facility Code 17413 Field Training Area
Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: EOD Robotic tool.

2305-RECN-1705: Operate photographic equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING:

CONDITION: Given an EOD incident, EOD photographic equipment, a subject, and the reference.

STANDARD: To ensure images are taken properly.

PERFORMANCE STEPS:

1. Assemble camera equipment.
2. Hold the camera correctly and ensure subject is in view .
3. Focus camera and capture the image.
4. Unload the capture media and load images to a computer.
5. Evaluate images.

PREREQUISITE EVENTS:

2305-RECN-1703	2305-RECN-2708	EOD-RECN-3701
2305-ADMN-2003	2305-RECN-2706	

CHAINED EVENTS:

2305-RECN-1705

RELATED EVENTS:

2305-RECN-2701	EOD-IED-3403
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REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. SOP Unit Training

SUPPORT REQUIREMENTS:

EQUIPMENT: Photographic Equipment

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2305-RECN-1706: Recover buried Unexploded Explosive Ordnance (UXO)**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**BILLETS:** EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander**GRADES:** WO-1, CWO-2, CWO-3, CAPT**INITIAL TRAINING SETTING:** FORMAL**CONDITION:** Given a buried UXO, EOD tools, an assistant, and the references.**STANDARD:** To ensure accurate estimation of the location and recovery of buried UXO observing all applicable safety precautions.**PERFORMANCE STEPS:**

1. Locate the true hole of entry.
2. Prepare ordnance locator.
3. Estimate location of UXO.
4. Dig at estimated site.
5. Gain entrance with explosives.
6. Set rigging as required.
7. Recover UXO.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. SOP Unit Training

SUPPORT REQUIREMENTS:**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
M032 Charge, Demolition Block TNT 1-Pound	10 ea
M039 Charge, Demolition Cratering 40-Poun	1 ea
M420 Charge, Demolition Shaped M2 Series	1 ea
M591 Dynamite, Military M1	10 ea
MN08 Igniter, Time Blasting Fuse with Sho	6 ea
M131 Cap, Blasting Non-Electric M7	6 ea
M670 Fuse, Blasting Time M700	50 ft
M456 Cord, Detonating PETN Type I Class E	50 ft
M130 Cap, Blasting Electric M6	4 ea

2305-RSP-1801: Operate a MK 1 Mod 3 Remote Wrench**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**BILLETS:** EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander**GRADES:** WO-1, CWO-2, CWO-3, CAPT

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INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a fuzed ordnance item, a safe disposal area, an assistant, and the reference

STANDARD: Ensure proper preparation and initiation of the MK 1 Mod 3 remote wrench.

PERFORMANCE STEPS:

1. Prepare the remote wrench.
2. Assemble the remote wrench for use.
3. Connect the remote wrench to firing system.
4. Apply the remote wrench to ordnance item.
5. Initiate the remote wrench.

PREREQUISITE EVENTS:

EOD-DISP-3301 2305-RECN-2707

CHAINED EVENTS:

2305-RSP-1801

RELATED EVENTS:

EOD-IED-3404 2305-NEUT-1605 EOD-NEUT-3602
2305-RECN-1702

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
4. SOP Unit Training

SUPPORT REQUIREMENTS:**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
M174 Cartridge, Caliber .50 Impulse Elect	10
M456 Cord, Detonating PETN Type I Class E	50 ft
M130 Cap, Blasting Electric M6	10
A552 Ctg Cal .50	4
M670 Fuse, Blasting Time M700	50 ft
M766 Igniter, M60 for Time Blasting Fuse	
M131 Cap, Blasting Non-Electric M7	6

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded

EQUIPMENT: DEMO OPS KIT

MATERIAL: Class V

UNITS/PERSONNEL: Corpsman with blast/burn trauma training.

2305-RSP-1802: Employ remote explosive wire cutters

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD team, while in appropriate PPE, and utilizing EOD tools and equipment, necessary publications, training area, scenario, and threat device.

STANDARD: To ensure proper set up and employment.

PERFORMANCE STEPS:

1. Identify Target.
2. Identify cutter size.
3. Determine non-explosive material.
4. Assemble explosive wire cutters.
5. Employ wire cutters.
6. Initiate wire cutters.
7. Determine effectiveness of cutters.
8. Recover tools and equipment.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
4. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
5. MCO 8020.10 USMC Ammo & Explosives Safety Policy
6. NAVSEA SW023-AH-WHM-010 Handling Ammunition and Explosives with Industrial Material Handling Equipment (MHE)
7. NAVSEA SW060-AA-MMA-010 Demolition Materials
8. SOP Unit Training

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MM56 Detonator, Non-Electric MK123 Mod 0	1
MN08 Igniter, Time Blasting Fuse with Sho	5

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17411 Maneuver/Training Area, Amphibious Forces
Facility Code 17413 Field Training Area
Facility Code 17420 Maneuver/Training Area, Heavy Forces
Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17926 Aerial Gunnery Range
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17830 Light Demolition Range

EQUIPMENT: -Remote explosive wire cutter-Non explosive tools -Initiation device-Shock tube

2305-RSP-1803: Conduct Render Safe Procedure (RSP) on Unexploded Explosive Ordnance (UXO)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an unknown unexploded ordnance item or suitable training aid, applicable EOD tools, demolition materials, a safe disposal area, an assistant, and all applicable references.

STANDARD: In order to properly neutralize the ordnance.

PERFORMANCE STEPS:

1. Identify the UXO.
2. Research UXO.
3. Formulate RSP.
4. Prepare tools.
5. Perform appropriate RSP.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
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4004. 2000 LEVEL INDIVIDUAL EVENTS

2305-ADMN-2001: Compute Class V requirements

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a list of class V which will be used to support MAGTF training mission, the mission of the unit being supported, and the reference.

STANDARD: To ensure accurate computation of the EOD class V requirements to support the training mission per the reference.

PERFORMANCE STEPS:

1. Determine the number of each type of ammunition.
2. Determine the type(s) of ammunition to be used during the operation.
3. Determine the amount and type of each explosive required to destroy one item of each type of ammunition.
4. Calculate the amount of explosives required to destroy 10 per cent of the total of each type of ammunition to be used during the operation.
5. Add the totals of explosives required to destroy 10 percent of each type of ammunition to be used during the operation.
6. Determine the amount of time fuze required, based on the amount and size of each type of ammunition to be destroyed, and the time required to move to a safe area.
7. Determine the amount of detonating cord required.
8. Determine the number of electric or non-electric blasting caps required based on the figure obtained in Step 5.
9. Determine the number of different colored smoke grenades required based on which are to be used for emergencies.
10. Determine the number of disruptor cartridges based on 10 percent of the total number of fuzes requiring their use.
11. Determine the number of incendiary devices required based on 10 percent of the total number of ordnance items which may require their use.
12. Add an additional 20 percent of total Class V(W) requirements already computed for contingency purposes.
13. Submit computed EOD Class V(W) requirements to unit being supported for requisitioning.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
 3. Op Order Annex C Appendix 13
 4. SOP Unit Training
 5. Applicable Marine Corps Orders and Directives
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2305-ADMN-2002: Apply the military munitions rule to EOD operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a military munitions, a scenario that includes the location and condition of the munitions.

STANDARD: In compliance with environmental law.

PERFORMANCE STEPS:

1. Research, document, and draft orders and directives in accordance with State or local requirements in reference to the MMR.
2. Act in accordance with the MMR while dealing with an EOD situation.
3. Affect final disposition IAW MMR.
4. Prepare reports and submit to required agencies.
5. Submit reports to required agencies.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. SOP Unit Training
 3. Applicable Marine Corps Orders and Directives
 4. Military Munitions Rule
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2305-ADMN-2003: Prepare Standing Operating Procedures (SOP) for Explosive ordnance Disposal (EOD)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CAPT, MAJ

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a mission statement, turnover folders, EOD forms/records, and the applicable references.

STANDARD: To ensure the SOP incorporates historical data, local restrictions, and unit requirements to meet the unit's mission, per the references.

PERFORMANCE STEPS:

1. Review mission statement and determine unit requirements.
2. Identify major functional areas requiring procedural guidance, to include safety and security concerns.

3. Compile data and draft SOP.
4. Formulate transportation inputs for SOP.
5. Submit SOP to higher headquarters for approval.
6. Formulate storage inputs for SOP.
7. Formulate safety inputs for SOP.
8. Formulate clearance inputs for SOP.
9. Draft appropriate annexes and appendices for applicable non-EOD SOPs.

CHAINED EVENTS:

2305-NEUT-2601 EOD-DISP-3301

REFERENCES:

1. 12 FAH-5 Physical Security Handbook
2. AEODPS 60 Series Automated EOD Publication System
3. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
4. DODDIR 3150.8 DOD Response to Radiological Accidents
5. DoD 5100.76 Physical Security of AA&E
6. FM 20-32 Mine/Countermining Operations
7. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
8. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
9. FM 5-25 Explosives and Demolitions
10. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
11. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
12. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
13. MCO 3440.7 Marine Corps Support to Civil Authorities
14. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
15. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
16. MCO 8010.1 Class V(W) SUP FMF CBT OP
17. MCO 8020.1 Handling, Transportation, Storage, Reclassification and Disposal of Class V(W) Material
18. MCO 8023.3A Personnel Qualification and Certification Program for Class V Ammunition and Explosives
19. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
20. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
21. NAVSEA OP 2165 Transportation Safety Handbook for AMMO & Explosives
22. NAVSEA OP 2173, VOL 1 Approved Handling Equipment for Weapons & Explosives (Adapters thru Latches)
23. NAVSEA OP 2173, VOL 2 Approved Handling Equipment for Weapons & Explosives (Loaders thru Trucks)
24. NAVSEA OP 4 Ammunition Afloat
25. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
26. NAVSEA SW023-AH-WHM-010 Handling Ammunition and Explosives with Industrial Material Handling Equipment (MHE)
27. NAVSEA SW020-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
28. NAVSEA SW020-AF-ABK-010 Motor Vehicle Driver Handbook for Ammunition, Explosives and Hazardous Materials
29. NAVSEA SW060-AA-MMA-010 Demolition Materials
30. NAVSEAINST 8020.9B Ammunition and Explosives Qualification and Certification Program
31. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and

- related Hazardous Materials
32. OP 3565, Vol 2 Electromagnetic Radiation Hazards, Hazards to Ordnance (HERO)
 33. Op Order Annex C Appendix 13
 34. SOP Unit Training
 35. SWOP Special Weapons Ordnance Publications
 36. Applicable Marine Corps Orders and Directives
 37. Dynamic Entry Handbook
 38. Military Munitions Rule
 39. National Response Plan

SUPPORT REQUIREMENTS:

MATERIAL: Any admin supplies required (i.e. computers, etc.)

2305-ADMN-2004: Conduct accident/incident response planning

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: When tasked with Biological/Chemical response, given appropriate equipment and an EOD team.

STANDARD: In order to mitigate CBRNE events, in accordance with stated reference.

PERFORMANCE STEPS:

1. Conduct interviews with appropriate witnesses.
2. Identify initial exclusion zone and downwind hazard areas.
3. Select appropriate equipment.
4. Contact available decon teams and equipment resources.
5. Assign team members to specific elements.
6. Conduct A&I.

PREREQUISITE EVENTS:

2305-ADMN-2003

CHAINED EVENTS:

2305-CBRN-1102

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. FM 5-25 Explosives and Demolitions
 3. NAVSEA SWO60-AA-MMA-010 Demolition Materials
 4. SOP Unit Training
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2305-ADMN-2005: Advise on EOD capabilities in support of WMD operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a mission statement

STANDARD: In order to integrate EOD into course of action and accomplish the mission.

PERFORMANCE STEPS:

1. Conduct mission analysis.
2. Receive Commander's intent.
3. Establish communication with EOD assets.
4. Establish communication with supporting agencies.
5. Categorize mission essential equipment and identify shortfalls and redundancies.
6. Determine directives that must be utilized.
7. Advise commander of mission specific capabilities and limitations.
8. Develop branch plans.
9. Develop sustainable logistical support for EOD specific end items.
10. Complete and submit required EOD reports.

CHAINED EVENTS:

EOD-CBRN-3104 2305-CBRN-1102

REFERENCES:

1. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
 2. DODDIR 3150.8 DOD Response to Radiological Accidents
 3. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
 4. SWOP Special Weapons Ordnance Publications
 5. National Response Plan
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2305-ADMN-2006: Supervise EOD Operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an EOD assignment, personnel, equipment and references.

STANDARD: To ensure technical guidance/advice is provided to EOD

officer/unit commanders per the references.

PERFORMANCE STEPS:

1. Supervise EOD team personnel, equipment, and functions.
2. Provide input to EOD officer/unit commander.
3. Provide technical supervision on proper procedures for an EOD operation.
4. Supervise preparation and maintenance of records on all matters pertaining to EOD operations.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
-

2305-CBRN-2101: Vent and burn chemical munitions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD incident site, chemical detector kit, EOD tools, an assistant, and the reference(s).

STANDARD: To ensure the proper disposal of chemical munitions per the reference(s).

PERFORMANCE STEPS:

1. Establish initial exclusion zone and downwind hazard area.
2. Set up Emergency Personnel Decontamination Stations (EPDS).
3. Identify agent filler and select disposal procedure.
4. Perform appropriate procedures.
5. Process through (EPDS).

PREREQUISITE EVENTS:

EOD-CBRN-3101 2305-CBRN-1102

CHAINED EVENTS:

2305-CBRN-1104	2305-CBRN-1103	EOD-CBRN-3105
2336-CBRN-1106	2305-CBRN-2101	

RELATED EVENTS:

2305-ADMN-2004	EOD-RECN-3704	2305-RECN-2707
EOD-CBRN-3103	EOD-CBRN-3106	EOD-CBRN-4101
2305-RECN-1703		

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. MCO 3440.7 Marine Corps Support to Civil Authorities
4. NAVSEA SWO60-AA-MMA-010 Demolition Materials

5. SOP Unit Training

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
G900 Grenade, Hand Incendiary Thermite AN	3 ea
M131 Cap, Blasting Non-Electric M7	1 ea
MN08 Igniter, Time Blasting Fuse with Sho	2 ea
M670 Fuse, Blasting Time M700	50 ft

2305-CBRN-2102: Conduct leak, seal and packaging procedures on chemical munitions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a leaking chemical munitions, EOD tools, decontaminants, an assistant, and the reference(s).

STANDARD: To ensure the proper procedures are conducted per the reference(s).

PERFORMANCE STEPS:

1. Separate leaking munitions from non-leaking munitions.
2. Perform gross decontamination of munitions if deemed necessary.
3. Rinse munitions if decontaminant is used.
4. Leak seal munitions with appropriate materials.
5. Decontaminate sealed munitions.
6. Wait required contact time.
7. Rinse munitions.
8. Place munitions in plastic bag and check munitions for contamination using M18A3 Kit.
9. Tape bag closed using strong PSA tape.
10. Seal final container.
11. Mark the outside of the final container. Proceed to hotline.
12. Prior to crossing hot line complete final vapor check. If necessary, repeat four step decontamination procedures.

PREREQUISITE EVENTS:

2305-ADMN-2001

CHAINED EVENTS:

2305-CBRN-1102	2305-CBRN-2102	2305-RECEN-2707
EOD-CBRN-3103	EOD-CBRN-3108	2336-CBRN-1106

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EOD-CBRN-3105

EOD-CBRN-3107

EOD-CBRN-3102

RELATED EVENTS:

2305-CBRN-1103

EOD-CBRN-4101

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:**RANGE/TRAINING AREA:**

Facility Code 17830 Light Demolition Range

2305-DEMO-2201: Employ commercial and/or foreign military explosives**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**BILLETS:** EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander**GRADES:** WO-1, CWO-2, CWO-3, CAPT**INITIAL TRAINING SETTING:** MOJT**CONDITION:** When not provided with standard military explosives.**STANDARD:** IAW EOD procedures.**PERFORMANCE STEPS:**

1. Evaluate target.
2. Choose explosives.
3. Prepare explosives.
4. Connect firing system.
5. Emplace explosives.
6. Fire charge.
7. Evaluate shot results.

PREREQUISITE EVENTS:

2305-ADMN-2001

CHAINED EVENTS:

2305-ADMN-2001

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Hazardous Materials
3. FM 5-25 Explosives and Demolitions
4. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
5. NAVSEA SWO60-AA-MMA-010 Demolition Materials
6. SOP Unit Training
7. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17830 Light Demolition Range
Facility Code 17710 Multipurpose Training Range (MPTR)

EQUIPMENT: EOD Demo Kit

MATERIAL: Civilian or foreign explosives

UNITS/PERSONNEL: Trauma certified Corpsman

2305-DEMO-2202: Employ volumetric charges

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an incident that requires an energetic procedure.

STANDARD: Ensuring they are suitable for the target, and will provide the desired disruption and neutralization result.

PERFORMANCE STEPS:

1. Determine target.
2. Select method of attack.
3. Construct volumetric charge.
4. Place volumetric charge IAW SOP.
5. Function volumetric charge IAW SOP.
6. Conduct post blast analysis to determine if charge functioned as designed and achieved the desired result.

PREREQUISITE EVENTS:

2305-ADMN-2001

CHAINED EVENTS:

2305-ADMN-2001

2305-SPEC-2901

2305-SPEC-2902

RELATED EVENTS:

EOD-IED-3403

EOD-INTL-3501

EOD-RSP-3802

EOD-RECN-3705

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
4. NAVSEA SWO60-AA-MMA-010 Demolition Materials
5. SOP Unit Training
6. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
M130 Cap, Blasting Electric M6	5 ea
M980 Charge, Demolition Sheet 0.0831 Inch	30 ft
M456 Cord, Detonating PETN Type I Class E	100 ft
M982 Charge, Demolition Sheet 0.161 Inch	10 ft
M023 Charge, Demolition Block M112 1-1/4	5 ea

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit. EOD units will need to open purchase:
Hydrojets, boot bangers, mineral water bottles, slim jims, and components
for a head shot.

UNITS/PERSONNEL: Trauma certified Corpsman

2305-DISP-2301: Supervise emergency destruction of ammunition

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer,
Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an emergency situation, ordnance item(s), EOD tools,
demolition material, safe disposal area, assistant and references.

STANDARD: To ensure safe destruction of ordnance items in an emergency
situation observing all applicable safety precautions, per the reference(s).

PERFORMANCE STEPS:

1. Select a disposal site.
2. Prepare ordnance for destruction.
3. Destroy ordnance.
4. Evaluate results.

CHAINED EVENTS:

2305-ADMN-2003

2305-ADMN-2002

EOD-ADMN-3002

2305-DISP-2302

2305-ADMN-2001

RELATED EVENTS:

2305-DISP-2302

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
3. Op Order Annex C Appendix 13
4. SOP Unit Training
5. Military Munitions Rule

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Demolition Kit

2305-DISP-2302: Conduct emergency destruction of ammunition

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an emergency situation, ordnance item(s), EOD tools, demolition materiel, safe disposal area, an assistant and reference(s).

STANDARD: To ensure the safe destruction of ordnance items in an emergency situation, observing all applicable safety precaution, per the reference(s).

PERFORMANCE STEPS:

1. Select a disposal site.
2. Prepare ordnance for disposal.
3. Select safe area.
4. Prepare initiation systems.
5. Prepare explosive charges.
6. Confirm destruction.
7. Destroy ordnance.

PREREQUISITE EVENTS:

2305-ADMN-2002	2305-ADMN-2001	EOD-RECN-3705
EOD-RECN-3701	2305-DISP-2301	

CHAINED EVENTS:

2305-ADMN-2002	2305-ADMN-2001	2305-DISP-2301
EOD-RECN-3705	EOD-IED-3403	EOD-ADMN-3002

EOD-REC-3701

EOD-IED-3404

RELATED EVENTS:

2305-DISP-2301

EOD-IED-3404

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
3. NAVSEA SWO60-AA-MMA-010 Demolition Materials
4. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials
5. Op Order Annex C Appendix 13
6. SOP Unit Training
7. Applicable Marine Corps Orders and Directives
8. Military Munitions Rule

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
K180 Mine, Antitank Heavy M15	5
B542 Cartridge, 40mm HEDP M430/M430A1 Lin	5
D529 Projectile, 155mm High Explosive M79	5
MN08 Igniter, Time Blasting Fuse with Sho	10
M131 Cap, Blasting Non-Electric M7	6
M670 Fuse, Blasting Time M700	100
M757 Charge, Assembly Demolition M183 Com	1

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Demolition Kit

UNITS/PERSONNEL: Corpsman with Trauma Training

2305-DISP-2303: Operate the Designated Marksmanship Rifle (DMR)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given the designated Marksmanship Rifle, target ordnance item, a spotter, a safe disposal area and reference.

STANDARD: To ensure the accurate employment of the DMR in Standup Munitions

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Disruption (SMUD) operations observing applicable safety precautions.

PERFORMANCE STEPS:

1. Prepare the DMR for employment.
2. Select target ordnance item.
3. Select safe firing area.
4. Engage target ordnance item.

PREREQUISITE EVENTS:

2305-ADMN-2003 EOD-RECN-3701 2305-RECN-2707

CHAINED EVENTS:

2305-DISP-2303

RELATED EVENTS:

EOD-IED-3404 2305-NEUT-1608 EOD-NEUT-3602
EOD-RECN-3705

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
3. SOP Unit Training

SUPPORT REQUIREMENTS:**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
AA11 Cartridge, 7.62mm Long Range M118 LR	50

RANGE/TRAINING AREA:

Facility Code 17560 Sniper Field-Fire Range

EQUIPMENT: DMR, spotting equipment, and laser range finder

MATERIAL: Target material

UNITS/PERSONNEL: Corpsman

2305-IED-2401: Supervise an Improvised Explosive Device (IED) response

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD incident, suspected IED, demolition material, EOD tools, EOD team, and the reference(s).

STANDARD: To ensure the proper performance of procedures on suspected IEDs

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observing all applicable safety precautions, per the reference(s).

PERFORMANCE STEPS:

1. Establish liaison with on scene commander.
2. Advise the commander on evacuation distances.
3. Select area for command post.
4. Search area for command post.
5. Determine initial courses of action.
6. Search area if suspect for CBRN hazards.
7. Inform on scene commander to advise proper authority.
8. Select method of attack.
9. Supervise method of attack.
10. Check results to determine if continuation of EOD procedures are required.
11. Check for secondary devices.
12. Complete required reports.

CHAINED EVENTS:

2305-IED-2401

RELATED EVENTS:

2305-IED-1401	2305-INTL-1501	2305-RECN-1703
2305-RECN-1705	2305-RECN-1704	2305-RECN-2708
2305-CBRN-1102	2305-SPEC-2901	2305-DISP-2302
2305-DISP-2303	2305-NEUT-2609	2305-NEUT-2601
2305-NEUT-1604	2305-NEUT-1602	2305-NEUT-2602
2305-NEUT-1607	2305-NEUT-2608	2305-RECN-2706

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
3. FM 5-25 Explosives and Demolitions
4. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
5. MCO 3440.7 Marine Corps Support to Civil Authorities
6. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
7. SOP Unit Training
8. Applicable SL-3

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: Bomb suit, PPE, demo kit, HAL kit, robotics, miscellaneous response equipment, and X-Ray

2305-INTL-2501: Conduct post-blast analysis of detonation site

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer,

Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING:

CONDITION: With the aid of references, tools, photographic equipment, evidence bags.

STANDARD: Identify the seat of the detonation, device components, estimated explosive type and weight, and firing device functioning.

PERFORMANCE STEPS:

1. Receive response request, prep gear.
2. Gather background information.
3. Respond to site.
4. Conduct interviews, compile timeline of events.
5. Conduct detailed search from outer edge of debris field in.
6. Record and package items of interest.
7. Process seat of blast.
8. Turn over scene when complete.
9. Compile report.

PREREQUISITE EVENTS:

EOD-ADMN-4002	EOD-ADMN-3001	2305-ADMN-2003
2305-ADMN-2002	2305-NEUT-2601	EOD-ADMN-5002
EOD-CBRN-3102	EOD-RECN-3701	2305-ADMN-2004
EOD-ADMN-4001	EOD-ADMN-5001	2305-ADMN-2005

CHAINED EVENTS:

2305-RECN-2708	EOD-RECN-3705	2305-RECN-1705
2305-RECN-1703	2305-IED-1401	2305-NEUT-2601
2305-DISP-2302	2305-RECN-2702	2305-RECN-2709
2305-RECN-2703	2305-RECN-2706	2305-RECN-2705
EOD-ADMN-3001	EOD-ADMN-3002	EOD-CBRN-3102
EOD-IED-3403	EOD-INTL-4502	EOD-NEUT-3602
EOD-IED-3404	EOD-RECN-3703	EOD-ADMN-4001
EOD-ADMN-6002	2305-NEUT-2608	

RELATED EVENTS:

EOD-INTL-3501	EOD-INTL-4502
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REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
3. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
4. MCO 3440.7 Marine Corps Support to Civil Authorities
5. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
6. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
7. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
8. SOP Unit Training

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17430 Impact Area Dudded
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17830 Light Demolition Range

EQUIPMENT: Post Blast Crime Scene Kit

2305-INTL-2502: Supervise removal of explosives during exploitation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an ordnance item, EOD tools, a safe disposal area, an assistant, and all applicable references.

STANDARD: Ensure the safe removal of explosives from an ordnance item by steaming or washing out, while observing all applicable safety precautions.

PERFORMANCE STEPS:

1. Determine the type, condition, and explosive filler of the ordnance item to be steamed/washed out.
2. Review written procedures.
3. Determine the best method for gaining access to the explosives.
4. Brief procedures.
5. Supervise operations.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
-

2305-INTL-2503: Exploit known or unknown ordnance

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given the necessary tools and equipment, a known or unknown ordnance item, an assistant, demolition material, a safe disposal area, and

the references.

STANDARD: To ensure safe exploitation to determine fuzing, firing, functioning, and render safe procedures per the references.

PERFORMANCE STEPS:

1. Determine the type and condition of the ordnance item to be exploited.
2. Perform diagnostic procedures using X-ray equipment to determine fuze condition and method of disassembly.
3. Research publications, with the aid of X-rays) to determine arming sequence.
4. Research publications, with the aid of X-rays) to develop disassembly/inerting procedures.
5. Identify the appropriate safety precautions.
6. Request approved procedures from MCD NAVEODTECHDIV, as applicable.
7. Disassemble the ordnance item.
8. Segregate hazardous components.
9. Determine measurements of the ordnance item and its components.
10. Attempt to determine the type of explosives in the ordnance item.
11. Inert hazardous components.
12. Dispose of hazardous materials from disassembly/inerting process.
13. Attempt to determine fuzing, functioning, firing, and recommend render safe procedures for the ordnance.
14. Prepare and submit appropriate report.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
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2305-NEUT-2601: Establish EOD Command Post

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: N/A

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD scenario, EOD team, EOD tools, and reference(s).

STANDARD: To ensure proper command and control of EOD operations per the reference(s).

PERFORMANCE STEPS:

1. Identify a suitable location.
2. Conduct area search.
3. Monitor until operations are complete.
4. Establish liaison with on scene commander.

CHAINED EVENTS:

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2305-RECN-1703

2305-NEUT-2601

2305-ADMN-2003

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
4. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
5. Military Munitions Rule

SUPPORT REQUIREMENTS:**RANGE/TRAINING AREA:**

Facility Code 17413 Field Training Area

Facility Code 17962 MOUT Collective Training Facility (Small)

Facility Code 17963 MOUT Collective Training Facility (Large)

2305-NEUT-2602: Employ Mk 38 Mod 0 Small Caliber Dearmer (SCD)**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**BILLETS:** EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander**GRADES:** WO-1, CWO-2, CWO-3, CAPT**INITIAL TRAINING SETTING:** MOJT**CONDITION:** Given a Mk 38 Mod 0, a target, and ammunition.**STANDARD:** To successfully impact a point target in accordance with EODB 60 series publications.**PERFORMANCE STEPS:**

1. Evaluate target.
2. Select appropriate dearmer.
3. Assemble dearmer.
4. Connect firing system.
5. Emplace dearmer.
6. Fire dearmer.
7. Evaluate shot results.

PREREQUISITE EVENTS:

2305-ADMN-2003

EOD-RECN-3701

2305-RECN-2707

CHAINED EVENTS:

2305-NEUT-2602

RELATED EVENTS:

2305-NEUT-1608

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

2. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
3. MCO 1510.78 Individual Training Standards System for Ammunition and Explosive Ordnance Disposal, OCCFLD 23
4. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
5. SOP Unit Training
6. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
DWEI Pyrotechnic Lead Spool Assembly, MK	1 roll
M130 Cap, Blasting Electric M6	5 ea
A086 Cartridge, Caliber .22 M24 Ball Long	5 ea
A363 Cartridge, 9mm Ball M882	5 ea
MN08 Igniter, Time Blasting Fuse with Sho	5 ea

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17830 Light Demolition Range
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17710 Multipurpose Training Range (MPTR)

EQUIPMENT: Mk 38 Mod 0

UNITS/PERSONNEL: Corpsman with blast frag trauma training

2305-NEUT-2603: Neutralize ordnance by low order detonation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: These procedures are based on the most technical information available but do not result in a 100% success rate.

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given explosives and explosive tools, Live Munitions, references, range/impact area.

STANDARD: Ensuring it results in a reduction of the explosive hazard.

PERFORMANCE STEPS:

1. Identify munitions.

2. Identify tool or explosive to employ.
3. Position explosive or tool.
4. Initiate explosive or tool.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
ML04 Cutter, High Explosive MK23 Mod 0	2 ea
ML05 Cutter, High Explosive MK24 Mod 0	2 ea
M130 Cap, Blasting Electric M6	4 ea
M670 Fuse, Blasting Time M700	100 ft
M131 Cap, Blasting Non-Electric M7	5 ea
M456 Cord, Detonating PETN Type I Class E	500 ft
G950 Grenade, Hand Red Smoke M18	1 ea
MN08 Igniter, Time Blasting Fuse with Sho	5 ea
M023 Charge, Demolition Block M112 1-1/4	10 ea
G900 Grenade, Hand Incendiary Thermite AN	6 ea

2305-NEUT-2604: Remove explosive hazards from aircraft

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: There are numerous explosive hazards that can be encountered in the conduct of this event as follows: aircraft ejection seats and canopies, weapons systems, counter measures, pylon stations, ejection racks, bombs, missiles, rockets, dispensers and payloads. This also includes foreign aircraft.

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given T/E, publications, training area, scenario, aircraft, ordnance, weapons system, class V(W).

STANDARD: In order to ensure the safe recovery of aircraft and weapons systems for reuse or intelligence in accordance with publications.

PERFORMANCE STEPS:

1. Identify aircraft.
2. Identify aircraft explosive hazards.
3. Identify weapons system.
4. Identify stations.
5. Identify ordnance carried.

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6. Identify ordnance fuzing.
7. Establish safe area.
8. Determine PPE required.
9. Determine T/E required.
10. Determine Class V(W) required.
11. Determine approach path.
12. Conduct approach.
13. Identify weapons system condition.
14. Identify ordnance condition.
15. Conduct procedures.

CHAINED EVENTS:

2305-NEUT-1608 2305-NEUT-2601 2305-NEUT-1605
2305-NEUT-1606

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

AIRCRAFT: Use available aircraft/aircraft components.

2305-NEUT-2605: Remove explosive hazards from weapons systems

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: There are numerous explosive hazards that can be encountered in the conduct of this event as follows: MK19, mortars, artillery, LAV, tanks and AAV/EFV. This also includes foreign systems.

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given T/E, publications, training area, scenario, and ground weapons system.

STANDARD: In order to ensure the safe recovery of weapons systems for reuse or intelligence in accordance with publications.

PERFORMANCE STEPS:

1. Determine safe area.
2. Determine approach.
3. Conduct recon.
4. Identify system.
5. Develop plan in accordance with applicable manuals.
6. Determine T/E required.
7. Execute plan in accordance with publications.
8. Turn system over to owning unit or intelligence personnel.

CHAINED EVENTS:

2305-NEUT-2601

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. Applicable SL-3

SUPPORT REQUIREMENTS:

EQUIPMENT: Use available weapons systems for training.

2305-NEUT-2606: Employ Mk 42 Mod 0 Medium Directional Energetic Tool

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: 2.75 Inch Water Cannon Disruptor to be fielded late FY06. Uses powder bag (DODIC DWGB) for functioning.

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a target, tool, ammunition, and appropriate references.

STANDARD: To successfully neutralize explosive hazards.

PERFORMANCE STEPS:

1. Identify a safe training area.
2. Coordinate the Class V requirements.
3. Identify proper targets.
4. Brief team on plan of action.
5. Utilize tool.
6. Debrief team.
7. Supervise.

PREREQUISITE EVENTS:

2305-RECN-2706	2305-ADMN-2003	EOD-RECN-3704
EOD-RECN-3701	EOD-IED-3403	

CHAINED EVENTS:

2305-NEUT-2606	EOD-RSP-3802	2305-IED-2401
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RELATED EVENTS:

EOD-IED-3404	2305-IED-1401	EOD-NEUT-3602
2305-RECN-1703	2305-RECN-2708	EOD-ADMN-3002

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
3. NAVSEA SWO60-AA-MMA-010 Demolition Materials

4. SOP Unit Training
5. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
DWGB Power Bag Container Assembly, EOD	1 ea
DWEI Pyrotechnic Lead Spool Assembly, MK	1 roll
MN08 Igniter, Time Blasting Fuse with Sho	2 ea
AX14 Primer, Percussion 12 Gauge W209	2 ea

RANGE/TRAINING AREA:

Facility Code 17710 Multipurpose Training Range (MPTR)
Facility Code 17830 Light Demolition Range
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17430 Impact Area Dudded

2305-NEUT-2607: Employ improvised disruption charges

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a target and demolition materials.

STANDARD: Ensuring explosive hazard is successfully neutralized.

PERFORMANCE STEPS:

1. Evaluate target.
2. Determine charge to use.
3. Assemble charge.
4. Connect firing system to charge.
5. Emplace charge.
6. Fire charge.
7. Evaluate shot results.

PREREQUISITE EVENTS:

EOD-SPEC-6901 2305-ADMN-2001

CHAINED EVENTS:

2305-RECN-1704	2305-NEUT-2601	2305-ADMN-2001
EOD-RECN-3701	EOD-ADMN-3002	EOD-IED-3402
2305-NEUT-2609		

RELATED EVENTS:

EOD-SPEC-6903

2305-NEUT-2609

EOD-NEUT-3601

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
3. FM 5-25 Explosives and Demolitions
4. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
5. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
6. NAVSEA SWO60-AA-MMA-010 Demolition Materials
7. Op Order Annex C Appendix 13
8. SOP Unit Training
9. Dynamic Entry Handbook

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
M023 Charge, Demolition Block M112 1-1/4	5
M130 Cap, Blasting Electric M6	5
M456 Cord, Detonating PETN Type I Class E	100 ft
M980 Charge, Demolition Sheet 0.0831 Inch	30 ft
M024 Charge, Demolition Block M118 2 Poun	3

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17710 Multipurpose Training Range (MPTR)
Facility Code 17830 Light Demolition Range

2305-NEUT-2608: Desensitize explosives

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given explosives, desensitizing agents, an assistant, and the references.

STANDARD: To ensure safe desensitizing of explosives with the appropriate agent.

PERFORMANCE STEPS:

1. Identify explosive to be desensitized.
2. Identify method, technique, and procedure to be used.
3. Conduct explosive operations IAW unit SOP and directives.
4. Confirm all explosives have been completely desensitized.

PREREQUISITE EVENTS:

2305-RECN-2702	2305-RECN-2706	EOD-IED-3403
EOD-INTL-3501	EOD-CBRN-3104	

RELATED EVENTS:

2305-NEUT-2608

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. SOP Unit Training
4. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

2305-NEUT-2609: Employ vehicle disruption charges

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD element, while in appropriate PPE, and utilizing EOD tools and equipment, necessary publications, training area, scenario, threat device, and given weather conditions.

STANDARD: To ensure proper set up and employ.

PERFORMANCE STEPS:

1. Identify target.
2. Identify charge size.
3. Determine appropriate Class V(W) required.
4. Determine non-explosive material.
5. Construct charge.
6. Place charge.
7. Initiate charge.
8. Determine effectiveness of charge.
9. Recover tools and equipment.
10. Secure area.

11. Identify target.
12. Identify charge size.
13. Determine appropriate Class V(W) required.
14. Determine non-explosive material.
15. Construct charge.
16. Place charge.
17. Initiate charge.
18. Determine effectiveness of charge.
19. Recover tools and equipment.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Hazardous Materials
3. DoD 5100.76 Physical Security of AA&E
4. FM 5-25 Explosives and Demolitions
5. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
6. MCO 8020.1 Handling, Transportation, Storage, Reclassification and Disposal of Class V(W) Material
7. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
8. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
9. NAVSEA OP 2165 Transportation Safety Handbook for AMMO & Explosives
10. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
11. NAVSEA SWO60-AA-MMA-010 Demolition Materials
12. SOP Unit Training

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
M757 Charge, Assembly Demolition M183 Com	1 ea
M670 Fuse, Blasting Time M700	50 ft
M130 Cap, Blasting Electric M6	5
M980 Charge, Demolition Sheet 0.0831 Inch	5 ft
M456 Cord, Detonating PETN Type I Class E	100 ft

RANGE/TRAINING AREA:

Facility Code 17431 Impact Area Non-Dudded
Facility Code 17936 Close Air Support Range
Facility Code 17830 Light Demolition Range
Facility Code 17710 Multipurpose Training Range (MPTR)
Facility Code 17937 Aerial Bombing Range
Facility Code 17631 Light Antiarmor Weapons Range Live
Facility Code 17650 Field Artillery Direct Fire Range
Facility Code 17430 Impact Area Dudded

EQUIPMENT: Vehicle, tools, equipment, and material required for applicable charge

UNITS/PERSONNEL: 2305 EOD Officer and 2336 EOD Technicians

2305-NEUT-2610: Recover explosive hazards from a damaged/crashed aircraft

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Technician, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a damaged/crashed aircraft, EOD tools, emergency support personnel, investigative team, an EOD team, and the reference(s)

STANDARD: To ensure complete recovery and render safe of all explosive hazards observing all applicable safety precautions, per the reference(s)

PERFORMANCE STEPS:

1. Set up command post/safe area.
2. Gather intelligence of known explosive hazards.
3. Refer to applicable publications.
4. Don appropriate protective clothing.
5. Conduct Recon of crash area/damaged aircraft for explosive hazards.
6. Brief team and support personnel.
7. Develop plan to recover explosive hazards in accordance with AEODPS manuals.
8. Save applicable components in accordance with AEODPS manuals.
9. Recover explosive hazards.
10. Debrief team members and investigative team.

CHAINED EVENTS:

2305-NEUT-1608	2305-NEUT-2601	2305-NEUT-1605
2305-NEUT-1606		

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

AIRCRAFT: Use available aircraft / aircraft components.

2305-NEUT-2611: Employ lightweight disposable disruptor

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given T/E, demolition materials, a target and publications.

STANDARD: To successfully neutralize explosive hazards.

PERFORMANCE STEPS:

1. Identify a safe training area.
2. Coordinate the Class V requirements.
3. Identify proper targets.
4. Brief team on plan of action.
5. Utilize tool.
6. Debrief team.
7. Supervise.

PREREQUISITE EVENTS:

2305-ADMN-2003	EOD-IED-3403	2305-RECN-2706
EOD-RECN-3704	EOD-RECN-3701	

CHAINED EVENTS:

EOD-RSP-3802	2305-NEUT-2611
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RELATED EVENTS:

EOD-IED-3404	2305-IED-1401	EOD-NEUT-3602
2305-RECN-1703	2305-RECN-2708	EOD-ADMN-3002

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
3. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
4. NAVSEA SWO60-AA-MMA-010 Demolition Materials
5. SOP Unit Training
6. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M670 Fuse, Blasting Time M700	50 ft
M130 Cap, Blasting Electric M6	2
M131 Cap, Blasting Non-Electric M7	2
MN08 Igniter, Time Blasting Fuse with Sho	2
DWDN Charge, Lightweight Disposable Disru	2

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17830 Light Demolition Range
Facility Code 17710 Multipurpose Training Range (MPTR)

EQUIPMENT: Demo ops kit

MATERIAL: Targets

UNITS/PERSONNEL: Corpsman with blast/frag trauma training

2305-RECN-2701: Detect explosive hazards utilizing EOD tools

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Determine location of explosive hazard on the surface and subsurface.

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given T/E, publications, training area, and a scenario.

STANDARD: In order to determine the location of surface and subsurface explosive hazards.

PERFORMANCE STEPS:

1. Identify general location of suspect explosive hazard.
2. Determine safe area.
3. Visually inspect area.
4. Determine exact location of surface explosive hazard.
5. Determine probable location of subsurface explosive hazard.
6. Using T/E determine exact location of subsurface explosive hazard.
7. Confirm presence of subsurface explosive hazard.

PREREQUISITE EVENTS:

2305-NEUT-1608	EOD-SPEC-6904	2305-RECN-1704
2305-RECN-1702		

CHAINED EVENTS:

2305-RECN-1703	2305-RECN-2708	2305-RECN-1702
2305-ADMN-2002	2305-SPEC-2901	2305-RECN-2703
2305-ADMN-2003	2305-RECN-2707	2305-RECN-2702

RELATED EVENTS:

2305-RECN-1705	2305-RECN-1704	2305-INTL-1501
2305-CBRN-1102	2305-INTL-2501	2305-CBRN-1104

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
3. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
4. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
5. MCO 8020.10 USMC Ammo & Explosives Safety Policy
6. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
7. SOP Unit Training

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8. Applicable Marine Corps Orders and Directives
9. Military Munitions Rule

SUPPORT REQUIREMENTS:**RANGE/TRAINING AREA:**

Facility Code 17330 Covered Training Area
 Facility Code 17430 Impact Area Dudded
 Facility Code 17431 Impact Area Non-Dudded

EQUIPMENT: Pub sets, ordnance locator, basic recon tools, camera, and PPE

2305-RECN-2702: Identify chemical compounds associated with IED manufacturing

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a selection of chemicals and references.

STANDARD: In order to confirm or deny that these chemical compounds could be use in the manufacture of explosives or devices.

PERFORMANCE STEPS:

1. Evaluate markings of containers.
2. Evaluate condition of containers.
3. Collect samples.
4. Verify compounds.
5. Arrange for removal.
6. Prepare reports.
7. Submit reports.

PREREQUISITE EVENTS:

2305-RECN-1703	2305-RECN-2708	2305-RECN-2705
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CHAINED EVENTS:

2305-RECN-1703	EOD-RECN-3705	2305-IED-2401
2305-ADMN-2002	2305-RECN-2709	2305-RECN-2706
2305-RECN-2705	2305-RECN-2708	EOD-ADMN-3001
EOD-CBRN-3104	EOD-IED-3403	EOD-NEUT-3602
EOD-IED-3404	EOD-RECN-3703	EOD-RSP-3802
2305-NEUT-2608	2305-RECN-2701	

RELATED EVENTS:

EOD-RECN-3705	2305-RECN-2709	2305-RECN-2703
2305-RECN-2706		

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
3. SOP Unit Training
4. Applicable Marine Corps Orders and Directives
5. Military Munitions Rule

SUPPORT REQUIREMENTS:

EQUIPMENT: FO Set

MATERIAL: Various inert samples and pictures

2305-RECN-2703: Identify foreign weapons systems

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a weapons system and the references.

STANDARD: To determine the required EOD procedures.

PERFORMANCE STEPS:

1. Categorize family of systems.
2. Identify markings.
3. Identify specific weapons system.
4. Identify explosive hazards associated with systems.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
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2305-RECN-2704: Identify commercial explosives

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a selection of explosives and references.

STANDARD: Ensuring proper identification of explosives selected.

PERFORMANCE STEPS:

1. Observe unidentified commercial explosives.
2. Select the appropriate reference material.
3. Routinely identify commercial explosives.

CHAINED EVENTS:

EOD-IED-3403

RELATED EVENTS:

EOD-IED-3403

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

EQUIPMENT: Commercial Explosives

2305-REC-2705: Conduct building search

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The scope of this task can include support to USSS, Special Operations Forces, and law enforcement that must be accomplished in a permissive or non-permissive environment. This task may also be completed with the assumption that there is a NBC threat present. Individual EOD teams should first train to the mission/task anticipated by their higher headquarters.

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an explosive hazard/IED inside of a building, T/E, reference publications.

STANDARD: To locate the threat using EOD search techniques.

PERFORMANCE STEPS:

1. Formulate search plan.
2. Coordinate and brief other agencies, supporting units involved with the operation.
3. Execute search using deliberate methods defined in EOD orders and SOPs.
4. Brief personnel that will be conducting search.
5. Coordinate with security to ensure perimeter is set.
6. Brief personnel that will be conducting search.
7. Select and prepare equipment required for search.
8. Conduct turnover to appropriate personnel once search is complete.

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CHAINED EVENTS:

2305-RECN-1703	2305-RECN-2708	2305-SPEC-2901
2305-RECN-2706	2305-RECN-1704	

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. MCO 3440.7 Marine Corps Support to Civil Authorities
 3. SOP Unit Training
 4. Applicable Marine Corps Orders and Directives
 5. National Response Plan
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2305-RECN-2706: Identify improvised explosives

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 10 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a selection of explosives and the references.

STANDARD: In order to confirm the type of explosive contained in a device.

PERFORMANCE STEPS:

1. Choose the requested explosive.
2. Trainee is presented with simulated material or pictures.
3. Trainee attempts to ID material.
4. Trainee states handling considerations.

PREREQUISITE EVENTS:

2305-INTL-1501

CHAINED EVENTS:

2305-INTL-1501	2305-RECN-2702	EOD-RECN-3705
2305-NEUT-2608	2305-RECN-2709	

RELATED EVENTS:

EOD-IED-3403	2305-RECN-2702	2305-RECN-2709
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REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
3. SOP Unit Training

SUPPORT REQUIREMENTS:

EQUIPMENT: FO Set

2305-RECN-2707: Conduct ordnance identification

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The determination of the country of origin, category, type by function, safeties, condition as well as the explosive and non-explosive hazards (pressurized bottles, thermal batteries and spring loaded fins) associated with explosive ordnance.

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given the appropriate T/E, publications, training area, ordnance reconnaissance information

STANDARD: In order to identify explosive and non-explosive hazards by country of origin, category, type by function, safeties and condition.

PERFORMANCE STEPS:

1. Using recon information, input search criteria into EOD publications system.
2. Identify country of origin.
3. Identify category.
4. Identify safeties.
5. Identify type by function.
6. Identify condition
7. Identify explosive and non-explosive hazards.

PREREQUISITE EVENTS:

2305-RECN-2701

CHAINED EVENTS:

2305-NEUT-2604	EOD-RECN-3704	EOD-RSP-3801
2305-RECN-1702	EOD-RECN-3705	2305-RECN-1705
2305-RECN-1703	2305-RECN-2702	2305-RECN-1704

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
3. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Duddled
Facility Code 17830 Light Demolition Range

2305-RECN-2708: Conduct vehicle search

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a vehicle, EOD tools, an assistant and reference(s).

STANDARD: To determine or negate the presence of explosives or hazards per the reference(s).

PERFORMANCE STEPS:

1. Formulate a search plan.
2. Coordinate and brief other supporting units involved.
3. Brief personnel that will be conducting search.
4. Select and prepare equipment required for search.
5. Coordinate with security to ensure perimeter is set.
6. Execute search.
7. Conduct turnover to appropriate personnel once search is complete.

CHAINED EVENTS:

2305-RECN-2708	2305-RECN-1703	EOD-IED-3401
EOD-SPEC-3901	2305-RECN-1704	

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
3. MCO 3440.7 Marine Corps Support to Civil Authorities
4. SOP Unit Training
5. Applicable Marine Corps Orders and Directives
6. National Response Plan

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: HAL kit w/ VAK kit, bomb suit, and EOD robotics

2305-RECN-2709: Identify electronic components

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Basic electronic 101

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer,

Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an electronics schematic and item.

STANDARD: To ensure that the power source, circuit, and output of a device are established.

PERFORMANCE STEPS:

1. Identify tools needed to identify electronic components.
2. Identify power source.
3. Identify output to penalty.
4. Identify individual components.
5. Identify type of circuit.
6. State hazards associated with circuit type.
7. Use a multi-meter.
8. Use a soldering iron.
9. Interpret an electronics schematic containing the common symbols.
10. Formulate plan to interrupt the circuit.
11. Perform actions to interrupt the circuit.

RELATED EVENTS:

EOD-IED-3403	EOD-RECN-3705	2305-RECN-2701
2305-RECN-2703	2305-RECN-2702	2305-RECN-2706

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. SOP Unit Training
4. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

MATERIAL: Electrical components, X-Ray pictures, and schematics

2305-RECN-2710: Operate in confined spaces

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With equipment, an assistant, and training area.

STANDARD: To ensure the safety performance of tasks in confined spaces.

PERFORMANCE STEPS:

1. Identify confined space.
2. Emergency personnel on standby.
3. Op check equipment.
4. Make entry.
5. Correctly use confined space monitoring equipment.
6. Perform mission.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
-

2305-RSP-2801: Employ stand off munitions ordnance disruption

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an EOD team, while in appropriate PPE, and utilizing EOD tools and equipment, necessary publications, training area, scenario, threat device, and given weather conditions.

STANDARD: In order to neutralize explosive hazards associated with ordnance.

PERFORMANCE STEPS:

1. Assemble the stand off munitions disrupter.
2. Bore sight the stand off munitions disrupter.
3. Emplace the stand off munitions disrupter.
4. Initiate the stand off munitions disrupter.
5. Verify the results.

PREREQUISITE EVENTS:

2305-RECN-2707

CHAINED EVENTS:

2305-DISP-2303

2305-RSP-2801

RELATED EVENTS:

2305-NEUT-1608

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
4. MCO 8020.10 USMC Ammo & Explosives Safety Policy
5. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
6. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping

7. NAVSEA SWO60-AA-MMA-010 Demolition Materials
8. SOP Unit Training
9. Applicable SL-3

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
DWEI Pyrotechnic Lead Spool Assembly, MK	50

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17970 Radar-Bomb-Scoring Facility

EQUIPMENT: Spotting Scopes or Binos, and Demo Kit, if needed.

UNITS/PERSONNEL: Trauma certified Corpsman

2305-SPEC-2901: Gain entry to spaces containing explosive devices using advanced tools and techniques

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: This event is focused on advanced entry techniques involving access into buildings/spaces that have locking mechanisms and sensor/alarm systems (explosive, mechanical, ballistic).

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: In a SOF mission environment, given the references.

STANDARD: In order to successfully perform advanced TTPs which enables mission accomplishment.

PERFORMANCE STEPS:

1. Identify the space requiring entry.
2. Collect target intelligence.
3. Coordinate intelligence products in order to develop entry plan.
4. Determine the locking mechanism, sensor, and alarms associated with the space.
5. Develop specific TTPs in order to gain entry into the space.
6. Stage and op check equipment before insertion.
7. Employ the specific TTPs in order to gain entry into the space.
8. Recover equipment.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

AIRCRAFT: There will be a requirement for the EOD technicians to understand the entry/access procedures for commercial and military common linear aircraft frames in order to support special operations involving aircraft.

ROOMS/BUILDINGS: There is a requirement for EOD personnel to receive training on all commercial, industrial, security and military building structures to include locking mechanisms security sensors and alarms. This training must incorporate foreign and domestic standards.

EQUIPMENT: Assault Breacher Tool Kit, Lock Neutralization Kit, SOF Demolition Kit, Commercial locksmith database, Common EOD tools, and personnel equipment/weapons.

UNITS/PERSONNEL: EOD personnel that require this advanced training to support MAGTF and SOF operations.

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Basic EOD Course, Electronic Training, CQB Course, and Dynamic Entry

2305-SPEC-2902: Employ dynamic entry techniques

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Company Commander, EOD Officer in Charge, EOD Staff Officer, Executive Officer, Platoon Commander

GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given the responsibility to conduct Dynamic Entry duties.

STANDARD: To ensure proper Dynamic Entry tasks are utilized, and all applicable safety precautions are observed.

PERFORMANCE STEPS:

1. Perform the use of an advance priming system.
2. Show knowledge of specialized demolition materials.
3. Show knowledge of civilian explosives.
4. Conduct a mechanical breach.
5. Conduct a ballistic breach.
6. Conduct an explosive breach.
7. Conduct a thermal breach.
8. Conduct a breach using specialized explosives.
9. Conduct a breach using civilian explosives.
10. Breach a non standard target.
11. Breach a high security target.

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12. Employ civilian ballistic breaching ammunition.
13. Research and verify the safety of new explosive, ballistic, mechanical, and thermal ideas or methods of entry.

PREREQUISITE EVENTS:

2305-ADMN-2001	2305-ADMN-2005	EOD-SPEC-6907
EOD-SPEC-6902	EOD-SPEC-6901	

CHAINED EVENTS:

2305-ADMN-2001	2305-NEUT-2607	2305-SPEC-2901
2305-ADMN-2005	EOD-CBRN-3104	EOD-SPEC-3901
EOD-RECN-3702	EOD-SPEC-6901	EOD-SPEC-6902
EOD-SPEC-6903	EOD-RECN-3701	

RELATED EVENTS:

EOD-RECN-3702	EOD-SPEC-6905	EOD-SPEC-3901
EOD-SPEC-6903	2305-NEUT-2607	EOD-SPEC-6901
2305-SPEC-2901	EOD-NEUT-3601	EOD-SPEC-6902

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
3. FM 5-25 Explosives and Demolitions
4. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
5. MCO 3502.2 Marine Corps Special Skills Certification Program
6. MCO 8023.3A Personnel Qualification and Certification Program for Class V Ammunition and Explosives
7. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
8. NAVSEA SWO60-AA-MMA-010 Demolition Materials
9. Op Order Annex C Appendix 13
10. SOP Unit Training
11. Applicable Marine Corps Orders and Directives
12. Dynamic Entry Handbook

SUPPORT REQUIREMENTS:**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
M986 Sheet Explosive	12 ft
MN02 Dual instantaneous shock tube	12 rolls
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MM28 C3 Sheet Explosive	2 ft
MM27 Charge, Demolition Sheet Explosive	6 ft
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
MM29 Charge, Demolition Sheet Explosive	6 ft
M118 CAP, BLAST ELEC NO 8 DELAY	12 ft
MN89 Dual instantaneous shock tube	12 rolls
M456 Cord, Detonating PETN Type I Class E	70 ft
M023 Charge, Demolition Block M112 1-1/4	10 ea
MU40 Cord, Detonating 400 Grains per Foot	2 ft
AX14 Primer, Percussion 12 Gauge W209	21 ea
MM30 Charge, Flexible 20 Gram PETN MK140	13 ea
A024 Cartridge, 12 Gauge Door Breaching M	5 ea

M980 Charge, Demolition Sheet 0.0831 Inch	12 ft
MM42 Charge, Demolition Flexible Linear S	6 ft
MM45 Charge, Demolition Flexible Linear S	6 ft
M981 Charge, Demolition Sheet 0.125 Inch	5 ft

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17830 Light Demolition Range

EQUIPMENT: Breacher Kit

MATERIAL: Consumables

UNITS/PERSONNEL: Corpsman with Trauma Training

OTHER SUPPORT REQUIREMENTS: Charges to be constructed: Detonating Cord Linear Charge, Detonating Cord Loop, Fence Charge, Ghost Buster, Gumbi Charge, Oval Charge, Satellite Charge, Slant Charge, Slider Charge, Strip Charge, Water Charge, Window Charge, and Shotgun Entry.

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CHAPTER 5

MOS 2336 INDIVIDUAL EVENTS

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EOD T&R MANUAL

CHAPTER 5

MOS 2336 INDIVIDUAL EVENTS

5000. PURPOSE. This chapter contains individual training events for the Explosive Ordnance Disposal Technician.

5001. EVENT CODING. Events in the T&R manual are depicted with a 12 field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one - Each event starts with 2336, indicating that the event is for MOS 2336, Explosive Ordnance Disposal Technician.

b. Field two - This field is alpha characters indicating a functional area. The functional areas for this chapter are listed below:

<u>Code</u>	<u>Description</u>	<u>Example</u>
ADMN	Administrative Functions	EOD-ADMN-XXXX
CBRN	Chemical, Biological, Radiological or Nuclear	EOD-CBRN-XXXX
DEMO	Demolitions	EOD-DEMO-XXXX
DISP	Disposal	EOD-DISP-XXXX
IED	Improvised Explosive Devices	EOD-IED-XXXX
INTL	Intelligence	EOD-INTL-XXXX
NEUT	Neutralization	EOD-NEUT-XXXX
RECN	Reconnaissance	EOD-RECN-XXXX
RSP	Render Safe Procedures	EOD-RSP-XXXX
SPEC	Special Operations	EOD-SPEC-XXXX

c. Field three - All individual events within T&R Manuals are either 1000-level for events taught at MOS-producing formal schools or 2000-level for events taught at advanced-level schools or MOJT. This chapter contains both 1000 and 2000-level events.

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5002. INDEX OF INDIVIDUAL EVENTS

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2336-DEMO-1202	Initiate an electric firing system	5-11
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2336-DEMO-1207	Prepare shaped charges	5-15
2336-DISP-1301	Dispose of explosives by burning	5-16
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2336-INTL-1501	Operate x-ray equipment	5-19
2336-NEUT-1601	Remove lodged projectile from a gun tube	5-20
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2336-NEUT-1607	Employ Mk 2 Mod 1 .50 Caliber Dearmer	5-26
2336-NEUT-1608	Clear surface ordnance from designated area	5-27
2336-RECN-1701	Identify unknown unexploded ordnance	5-28
2336-RECN-1702	Locate buried ordnance using sub-surface detection equipment	5-29
2336-RECN-1703	Conduct area search	5-30
2336-RECN-1704	Operate EOD robotic tool sets	5-31
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2336-RECN-1706	Recover buried Unexploded Explosive Ordnance (UXO)	5-32
2336-RSP-1801	Operate a MK 1 Mod 3 remote Wrench	5-33
2336-RSP-1802	Employ remote explosive wire cutters	5-34
2336-RSP-1803	Conduct Render Safe Procedure (RSP) on Unexploded Explosive Ordnance (UXO)	5-36
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2336-ADMN-2001	Compute Class V requirements	5-37
2336-ADMN-2002	Apply the military munitions rule to EOD operations	5-38
2336-ADMN-2003	Supervise EOD Operations	5-38

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2336-ADMN-2004	Conduct accident/incident response planning	5-39
2336-ADMN-2005	Advise on EOD capabilities in support of WMD operations	5-39
2336-CBRN-2101	Vent and burn chemical munitions	5-40
2336-CBRN-2102	Conduct leak, seal and packaging procedures on chemical munitions	5-41
2336-DEMO-2201	Employ volumetric charges	5-42
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2336-DISP-2301	Supervise emergency destruction of ammunition	5-44
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2336-DISP-2303	Operate the Designated Marksmanship Rifle (DMR)	5-47
2336-IED-2401	Supervise an Improvised Explosive Device (IED) response	5-48
2336-INTL-2501	Conduct post-blast analysis of detonation site	5-49
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2336-NEUT-2601	Establish EOD Command Post	5-51
2336-NEUT-2602	Employ Mk 38 Mod 0 Small Caliber Dearmer (SCD)	5-52
2336-NEUT-2603	Neutralize ordnance by low order detonation	5-53
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2336-NEUT-2606	Employ MK 42 Mod 0 Medium Directional Energetic Tool	5-56
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2336-RECN-2701	Detect explosive hazards utilizing EOD tools	5-63
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2336-RECN-2705	Conduct building search	5-66
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2336-RECN-2707	Conduct ordnance identification	5-68
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2336-RECN-2709	Identify electronic components	5-70
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5003. 1000 LEVEL INDIVIDUAL EVENTS

2336-CBRN-1101: Perform radiological monitoring

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: N/A

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a radioactive source, radiac sets, EOD tools, and the reference(s).

STANDARD: To ensure the proper utilization of radiac equipment, observing all applicable safety precautions, per the reference(s)

PERFORMANCE STEPS:

1. Set up the radiac.
2. Conduct monitoring.
3. Monitor until radioactivity is detected.
4. Record radiation levels by observing meter reading or frequency clicks in headset.

PREREQUISITE EVENTS:

2305-NEUT-2601

CHAINED EVENTS:

2305-CBRN-1102	2305-ADMN-2003	EOD-CBRN-3101
EOD-CBRN-3109	2305-NEUT-2601	

RELATED EVENTS:

2305-RECN-2702	EOD-CBRN-3101	EOD-CBRN-3109
2305-CBRN-1104	EOD-CBRN-3105	2305-CBRN-1101
2336-CBRN-1106		

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. DODDIR 3150.8 DOD Response to Radiological Accidents
 3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
-

2336-CBRN-1102: Calculate downwind hazard area

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

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INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an incident site, known toxic chemical, known number of munitions involved in the incident, EOD tools, smoke grenade, thermometer, map of the area, and the reference(s).

STANDARD: To ensure accurate calculation of downwind hazard area within 20 meters.

PERFORMANCE STEPS:

1. Determine dosage.
2. Determine source strength.
3. Set off smoke grenade, using smoke to determine wind direction and speed.
4. Convert wind speed in meters per minute.
5. Determine temperature gradient.
6. Use calculator to determine length of downwind hazard and record on map.
7. Use calculator to determine vapor cloud width and record on map.

CHAINED EVENTS:

EOD-CBRN-3102	2305-RECN-2702	EOD-CBRN-3101
2336-CBRN-1106	EOD-CBRN-3103	

REFERENCES:

1. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
2. Applicable Marine Corps Orders and Directives
3. National Response Plan

SUPPORT REQUIREMENTS:**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
G940 Grenade, Hand Green Smoke M18	2

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces

EQUIPMENT: EOD CBRNE KITEOD Response Kit

2336-CBRN-1103: Perform toxic chemical/biological agent detection tests

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD incident site, chemical detector kit, EOD tools, an assistant, and the reference(s).

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STANDARD: To ensure the proper use of chemical/biological agent detection equipment, per the reference(s).

PERFORMANCE STEPS:

1. Check for presence of toxic chemical agent using chemical agent detection paper.
2. Set up chemical agent detector.
3. Conduct monitoring.
4. Record all test results.

PREREQUISITE EVENTS:

2305-NEUT-2601	2305-RECN-1703	2305-ADMN-2003
EOD-CBRN-3101	2336-CBRN-1106	

CHAINED EVENTS:

2305-CBRN-1104	2305-CBRN-1101	2305-CBRN-1103
2305-RECN-2702		

RELATED EVENTS:

2305-RECN-2702	EOD-CBRN-3103	EOD-CBRN-3109
2305-NEUT-2608	2305-CBRN-1103	2305-CBRN-1104
2336-CBRN-1106		

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. DODDIR 3150.8 DOD Response to Radiological Accidents
3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program

2336-CBRN-1104: Operate self-contained breathing apparatus (SCBA)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given SCBA, an assistant and reference.

STANDARD: To ensure the proper donning of the SCBA, observing all applicable safety precautions.

PERFORMANCE STEPS:

1. Inspect SCBA components for serviceability.
2. Assemble the SCBA.
3. Don the SCBA.
4. Change air bottles as needed.
5. Remove SCBA.

PREREQUISITE EVENTS:

2305-CBRN-1104

CHAINED EVENTS:

2305-CBRN-1104

RELATED EVENTS:

2305-CBRN-1104

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
-

2336-CBRN-1105: Conduct CBRN reconnaissance operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD element, while in appropriate PPE, and utilizing EOD tools and equipment, necessary publications, training area, scenario, and threat device.

STANDARD: To identify hazards associated with CBRN munitions or devices.

PERFORMANCE STEPS:

1. Utilize monitoring equipment.
2. Mark and/or map contaminated area.
3. Take samples.
4. Determine hot line.
5. Employ remote tools.
6. Identify CBRNE hazards.
7. Communicate with Command Post.
8. Perform emergency measures.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. DODDIR 3150.8 DOD Response to Radiological Accidents
 3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
-

2336-CBRN-1106: Don protective clothing

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

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INITIAL TRAINING SETTING: FORMAL

CONDITION: Given EOD personnel, appropriate PPE, EOD tools and equipment, publications, training area, and a scenario.

STANDARD: In order to protect personnel with the ability to sustain operations in a contaminated environment.

PERFORMANCE STEPS:

1. Select appropriate personnel protective equipment for the threat level.
2. Select proper respiratory equipment for the threat level.
3. Properly don personal protective equipment for the threat level.
4. Properly don respiratory equipment for the threat level.

PREREQUISITE EVENTS:

2305-CBRN-1104 2336-CBRN-1106

CHAINED EVENTS:

2336-CBRN-1106 EOD-RECN-3701 EOD-CBRN-3102
EOD-CBRN-3101

RELATED EVENTS:

EOD-CBRN-4101 EOD-CBRN-3108 EOD-CBRN-3107
EOD-CBRN-3101 EOD-CBRN-3109 2336-CBRN-1106
EOD-CBRN-3102 EOD-CBRN-3103

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Hazardous Materials
3. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
4. DODDIR 3150.8 DOD Response to Radiological Accidents
5. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
6. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
7. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
8. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
9. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
10. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
11. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
12. SOP Unit Training
13. SWOP Special Weapons Ordnance Publications
14. Applicable Marine Corps Orders and Directives
15. Applicable SL-3

SUPPORT REQUIREMENTS:

ROOMS/BUILDINGS: Training will be conducted in an appropriate training area that facilitates donning of personal protective equipment.

EQUIPMENT: EOD CBRN Kit, EOD Technicians Tool Kit, Standard Marine Issue PPE, and EOD Bomb Suit

UNITS/PERSONNEL: EOD Team, EOD Section, EOD Platoon, EOD Company, EOD

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Technician, EOD Asst. Team Leader, EOD Team Leader, EOD Chief, EOD OIC, EOD Platoon Commander, EOD Company Executive Officer, EOD Company Commander, and EOD Staff Officer.

2336-DEMO-1201: Initiate a non-electric firing system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given non-electric blasting caps, EOD tools, demolition materiel, a safe disposal area, an assistant, and the references.

STANDARD: To ensure proper initiation, observing all applicable safety precautions.

PERFORMANCE STEPS:

1. Assemble non electric firing system.
2. Emplace non electric firing system.
3. Initiate non electric firing system.

PREREQUISITE EVENTS:

2305-ADMN-2001

CHAINED EVENTS:

2305-ADMN-2001

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
3. NAVSEA SWO60-AA-MMA-010 Demolition Materials

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
MN08 Igniter, Time Blasting Fuse with Sho	2 ea
M670 Fuse, Blasting Time M700	50 ft
M131 Cap, Blasting Non-Electric M7	1 ea

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit

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UNITS/PERSONNEL: Trauma certified Corpsman

2336-DEMO-1202: Initiate an electric firing system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given EOD tools, demolition materiel, safe disposal site, an assistant, and the references.

STANDARD: To ensure safe, correct initiation of an electric firing system observing all applicable safety precautions.

PERFORMANCE STEPS:

1. Assemble electrical firing system.
2. Test electrical firing system.
3. Initiate firing system.

PREREQUISITE EVENTS:

2305-ADMN-2001

CHAINED EVENTS:

2305-ADMN-2001

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M023 Charge, Demolition Block M112 1-1/4	1 ea
M130 Cap, Blasting Electric M6	1 ea

EQUIPMENT: EOD Demo Kit

UNITS/PERSONNEL: Trauma certified Corpsman

2336-DEMO-1203: Initiate a remote firing device

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

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GRADES: SGT, SSGT, GYSGT, MSGT**INITIAL TRAINING SETTING:** FORMAL**CONDITION:** Given a remote firing device, EOD tools, demolition material, safe disposal area, an assistant and references.**STANDARD:** To ensure proper preparation, observing all applicable safety precautions, and initiation of the remote firing device per the reference.**PERFORMANCE STEPS:**

1. Assemble the firing device.
2. Employ firing device.
3. Initiate firing device.

PREREQUISITE EVENTS:

2305-ADMN-2001

CHAINED EVENTS:

2305-ADMN-2001

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
M023 Charge, Demolition Block M112 1-1/4	1 ea
M130 Cap, Blasting Electric M6	1 ea

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit**UNITS/PERSONNEL:** Trauma certified Corpsman**2336-DEMO-1204:** Initiate incendiary devices**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**BILLETS:** EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician**GRADES:** SGT, SSGT, GYSGT, MSGT**INITIAL TRAINING SETTING:** FORMAL**CONDITION:** Given incendiary devices, EOD tools, demolition materiel, a safe disposal area, an assistant, and the reference.**STANDARD:** To ensure proper initiation, observing all applicable safety

precautions.

PERFORMANCE STEPS:

1. Determine method of initiation.
2. Prepare incendiary device(s) for initiation.
3. Initiate incendiary device(s).

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
M130 Cap, Blasting Electric M6	1 ea
M131 Cap, Blasting Non-Electric M7	1 ea
MN08 Igniter, Time Blasting Fuse with Sho	2 ea
G900 Grenade, Hand Incendiary Thermite AN	1 ea
M670 Fuse, Blasting Time M700	50 ft

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo kit and Corpsman

2336-DEMO-1205: Initiate a detonating cord system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given detonating cord, demolition equipment, demolition material, safe disposal area, an assistant, and the references.

STANDARD: To ensure proper preparation of a detonating cord system observing all applicable safety precautions.

PERFORMANCE STEPS:

1. Prepare a detonating cord system.
2. Connect detonating cord system to firing system.
3. Initiate detonating cord system.

PREREQUISITE EVENTS:

2305-ADMN-2001

CHAINED EVENTS:

2305-ADMN-2001

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. NAVSEA SWO60-AA-MMA-010 Demolition Materials

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
M456 Cord, Detonating PETN Type I Class E	50 ft
M130 Cap, Blasting Electric M6	1 ea

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit

UNITS/PERSONNEL: Trauma certified Corpsman

2336-DEMO-1206: Select disposal site

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a quantity of explosives or ammunition for disposal, required equipment, map, and references.

STANDARD: To ensure appropriate location for a disposal site observing all applicable safety regulations and precautions per the references.

PERFORMANCE STEPS:

1. Calculate safe distance.
2. Ensure the location is clear of vegetation to a minimum of 300 feet.
3. Determine wind direction and speed.
4. Ensure air clearance can be established.
5. Determine location of natural barriers which meet requirements.
6. Determine protective barriers or distance requirements.
7. Plot the disposal area selected on a map.

PREREQUISITE EVENTS:

2305-RECN-2707

2305-CBRN-1102

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
3. MCO 8020.10 USMC Ammo & Explosives Safety Policy
4. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
5. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
6. SOP Unit Training
7. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Map, Protractor, Pens

2336-DEMO-1207: Prepare shaped charges

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a shaped charge, EOD tools, demolition materiel, a safe disposal area, an assistant, and the reference.

STANDARD: To ensure safe preparation of shaped charges, observing all applicable safety precautions.

PERFORMANCE STEPS:

1. Prepare a shaped charge for use.
2. Prepare a firing system (electric or non-electric).
3. Initiate the firing system.

PREREQUISITE EVENTS:

2305-ADMN-2001

CHAINED EVENTS:

2305-ADMN-2001

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea

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MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
M131 Cap, Blasting Non-Electric M7	2 ea
MM53 Charge, Demolition Low Hazard MK145	1 ft
MM52 Charge, Demolition Low Hazard MK144	1 ft
MM51 Charge, Demolition Low Hazard MK143	1 ft
MM48 Charge, Demolition Flexible Linear S	1 ft
MM47 Charge, Demolition Flexible Linear S	1 ft
MM46 Charge, Demolition Flexible Linear S	1 ft
MM45 Charge, Demolition Flexible Linear S	1 ft
MM44 Charge, Demolition Flexible Linear S	1 ft
MM43 Charge, Demolition Flexible Linear S	1 ft
MM42 Charge, Demolition Flexible Linear S	1 ft
MM41 Charge, Demolition Flexible Linear S	1 ft
M670 Fuse, Blasting Time M700	50 ft
MN08 Igniter, Time Blasting Fuse with Sho	2 ea
MM54 Charge, Demolition Low Hazard MK149	1 ft
M474 Container, Demolition Charge MK1 Mod	1 ea
M475 Container, Demolition Charge MK2 Mod	1 ea
M476 Container, Demolition Charge MK3 Mod	1 ea
M477 Container, Demolition Charge MK7 Mod	1 ea
M478 Container, Demolition Charge MK7 Mod	1 ea
M479 Container, Demolition Charge MK7 Mod	1 ea
M487 Container, Demolition Charge MK8 Mod	1 ea
M481 Container, Demolition Charge MK7 Mod	1 ea
M482 Container, Demolition Charge MK7 Mod	1 ea
M483 Container, Demolition Charge MK7 Mod	1 ea
M480 Container, Demolition Charge MK7 Mod	1 ea
M484 Container, Demolition Charge MK7 Mod	1 ea
M023 Charge, Demolition Block M112 1-1/4	2 ea
M130 Cap, Blasting Electric M6	5 ea

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit, shaped charge containers**UNITS/PERSONNEL:** Trauma certified Corpsman**2336-DISP-1301:** Dispose of explosives by burning**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**BILLETS:** EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician**GRADES:** SGT, SSGT, GYSGT, MSGT**INITIAL TRAINING SETTING:** FORMAL**CONDITION:** Given a specific amount of identified explosives and the selected burn site.**STANDARD:** In order to neutralize by thermal procedures.

PERFORMANCE STEPS:

1. Stage explosives to be burnt.
2. Select burn site IAW directives and SOPs.
3. Inspect burn site IAW directives and SOPs.
4. Prepare burn site IAW directives and SOPs.
5. Prepare initiation system.
6. Prepare dunnage pile.
7. Place explosives to be burnt on dunnage pile.
8. Place initiation system.
9. Ensure that burn area is secure.
10. Ensure all personnel are accounted for.
11. Initiate burn.
12. Seek frontal and overhead protection.
13. Observe the appropriate wait time.
14. Investigate results.

PREREQUISITE EVENTS:

2305-ADMN-2001 2305-RECN-2702

CHAINED EVENTS:

2305-ADMN-2001

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
4. SOP Unit Training
5. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M131 Cap, Blasting Non-Electric M7	1 ea
MN08 Igniter, Time Blasting Fuse with Sho	2 ea
G900 Grenade, Hand Incendiary Thermite AN	3 ea
M023 Charge, Demolition Block M112 1-1/4	1 ea
M591 Dynamite, Military M1	3 ea
DA12 Charge, Propellant 155mm MACS M231	1 ea
M670 Fuse, Blasting Time M700	50 ft
D541 Charge, Propellant 155mm White Bag M	1 ea
M130 Cap, Blasting Electric M6	1 ea

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit

MATERIAL: Dunnage such as cardboard, paper or wood that will burn

UNITS/PERSONNEL: Trauma certified Corpsman

2336-DISP-1302: Dispose of propellants

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a known quantity of solid or granular propellant, safe disposal area, EOD tools, demolitions material, an assistant, and all applicable references.

STANDARD: To ensure complete consumption.

PERFORMANCE STEPS:

1. Select suitable site, clear of vegetation.
2. Ensure favorable environmental conditions.
3. Lay out propellants in accordance with references.
4. Build firing system.
5. Fire firing system.

PREREQUISITE EVENTS:

2305-ADMN-2001

CHAINED EVENTS:

2305-ADMN-2001

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
D532 Charge, Propellant 155mm Red Bag M20	1 ea
M766 Igniter, M60 for Time Blasting Fuse	
M670 Fuse, Blasting Time M700	50 ft

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit

UNITS/PERSONNEL: Trauma certified Corpsman

2336-IED-1401: Employ electronic countermeasures

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD

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Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an electronic countermeasure and a reference

STANDARD: To ensure proper setup, placement and employment of the electronic countermeasure.

PERFORMANCE STEPS:

1. Prepare the electronic countermeasure for employment.
2. Place the electronic countermeasure.
3. Employ the electronic countermeasure.

PREREQUISITE EVENTS:

2305-ADMN-2003

CHAINED EVENTS:

2305-RECN-1704	2305-RECN-1703	2305-ADMN-2003
2305-IED-2401	2305-NEUT-2601	2305-RECN-2705
2305-RECN-2708	2305-ADMN-2005	EOD-IED-3401
EOD-IED-3402	EOD-RECN-3701	EOD-RECN-3703
EOD-RECN-3704	EOD-ADMN-4001	EOD-DISP-3301
EOD-ADMN-5002		

RELATED EVENTS:

EOD-IED-3401	EOD-ADMN-6002	EOD-ADMN-5002
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REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces

EQUIPMENT: T/O ECM Equipment

2336-INTL-1501: Operate x-ray equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an item, EOD tools, an assistant, and the reference.

STANDARD: To ensure efficient operation of x ray equipment, per the reference.

PERFORMANCE STEPS:

1. Perform operation check.
2. Position film/cassette.
3. Use shielding if required.
4. Place the x ray into position.
5. Operate the x ray.
6. Process and evaluate.
7. Retake as required.

CHAINED EVENTS:

2305-INTL-1501 2305-RECN-2709 2305-RECN-2707

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. SOP Unit Training
3. TM-10 Applicable Manuals
4. Applicable SL-3

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17330 Covered Training Area

EQUIPMENT: X-ray and applicable equipment.

MATERIAL: Item to be x-rayed

2336-NEUT-1601: Remove lodged projectile from a gun tube

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a known gun with a projectile lodged in its tube/chamber, EOD tools, demolition material, an assistant, and the references.

STANDARD: To ensure the safe removal of the projectile from the gun tube/chamber with minimal damage to the weapon system, observing all applicable safety precautions.

PERFORMANCE STEPS:

1. Have gun crew elevate tube in a safe direction.
2. Prepare pusher charge.

3. Locate and measure round in barrel.
4. Protect breach.
5. Load barrel with water.
6. Place charge at appropriate distance.
7. Tamp card.
8. Initiate charge.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M174 Cartridge, Caliber .50 Impulse Elect	1 ea
M130 Cap, Blasting Electric M6	1 ea

2336-NEUT-1602: Employ Mk 40 Mod 0 Unexploded Ordnance Stand-off Disrupter (UXOSD)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Mk 40 Mod 0, a target, and ammunition

STANDARD: and successfully employ tool against a point target in accordance with EODB 60 series publications

PERFORMANCE STEPS:

1. Prepare .50 cal cart.
2. Prepare tool in safe area.
3. Emplace disruptor at target site.
4. Return to safe area.
5. Fire disruptor.
6. Evaluate effect on target.
7. Perform PM on tool.

PREREQUISITE EVENTS:

2305-ADMN-2003	2305-RECN-2707	EOD-RECN-3701
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CHAINED EVENTS:

2305-NEUT-1602

RELATED EVENTS:

2305-RECN-1703	2305-NEUT-1608	2305-NEUT-1605
EOD-RECN-3704		

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REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
3. MCO 1510.78 Individual Training Standards System for Ammunition and Explosive Ordnance Disposal, OCCFLD 23
4. MCO 8020.10 USMC Ammo & Explosives Safety Policy
5. NAVSEA OP 4 Ammunition Afloat
6. SOP Unit Training
7. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
M174 Cartridge, Caliber .50 Impulse Elect	5

RANGE/TRAINING AREA:

Facility Code 17431 Impact Area Non-Dudded
 Facility Code 17962 MOUT Collective Training Facility (Small)
 Facility Code 17430 Impact Area Dudded
 Facility Code 17963 MOUT Collective Training Facility (Large)
 Facility Code 17830 Light Demolition Range
 Facility Code 17710 Multipurpose Training Range (MPTR)

EQUIPMENT: Mk 40 Mod 0Demo ops kit**UNITS/PERSONNEL:** Corpsman with blast/frag trauma training**2336-NEUT-1603:** Employ tape and line techniques**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**BILLETS:** EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician**GRADES:** SGT, SSGT, GYSGT, MSGT**INITIAL TRAINING SETTING:** FORMAL**CONDITION:** Given a known fuzed ordnance item, required equipment, an assistant, and the reference.**STANDARD:** To ensure correct application of procedures to remove the fuze from an ordnance item.**PERFORMANCE STEPS:**

1. Secure the ordnance to keep it from moving.
2. Attach the tape and line system.
3. Initiate the procedure from safe area.
4. Attempt to remove fuze.

PREREQUISITE EVENTS:

2305-RECN-2707

EOD-RECN-3701

CHAINED EVENTS:

EOD-RSP-3801

RELATED EVENTS:

2305-NEUT-1608 2305-RECN-1702

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17431 Impact Area Non-Dudded
Facility Code 17430 Impact Area Dudded
Facility Code 17937 Aerial Bombing Range

EQUIPMENT: MK1 Mod 3, EOD Tool Set

2336-NEUT-1604: Employ PAN disruptor

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD element, while in appropriate PPE, and utilizing EOD tools and equipment, necessary publications, training area, scenario, threat device, and given weather conditions.

STANDARD: To successfully neutralize the intended target.

PERFORMANCE STEPS:

1. Identify Target.
2. Select proper round.
3. Properly assemble tool.
4. Properly place tool.
5. Fire tool.
6. Evaluate effectiveness of tool.
7. Retrieve tools and equipment.
8. Perform preventive maintenance on tool.

PREREQUISITE EVENTS:

2305-RECN-2708	2305-RECN-1703	2305-RECN-2709
2305-RECN-2706	2305-ADMN-2003	EOD-RECN-3701
EOD-RECN-3705	2305-INTL-1501	

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CHAINED EVENTS:

2305-NEUT-1604	2305-IED-2401	EOD-RSP-3802
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RELATED EVENTS:

2305-IED-1401	EOD-IED-3404	2305-INTL-1501
2305-RECN-1705	EOD-NEUT-3602	EOD-ADMN-3002

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
4. MCO 8020.1 Handling, Transportation, Storage, Reclassification and Disposal of Class V(W) Material
5. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
6. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
7. NAVSEA SWO60-AA-MMA-010 Demolition Materials
8. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials
9. SOP Unit Training

SUPPORT REQUIREMENTS:**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
AA62 CTG, 12 GA, MK 274 UVS EOD USE	1 ea
AA63 CTG, 12 GA, MK 275 IEDSD EOD USE	1 ea
AA64 CTG, 12 GA, MK 276	1 ea
AA66 CTG, 12 GA, MK278 NON-LETHAL	1 ea
MN08 Igniter, Time Blasting Fuse with Sho	10 ea
DWED CTG, 12 Gauge, MK 279 Steel Slug	1 ea
DWEE CTG, 12 Gauge, MK 280 Aluminum Slug	1 ea
DWEI Pyrotechnic Lead Spool Assembly, MK	2 ea
DWEC Cartridge, 12 Gauge, MK 277 MOD 0 (E	1 ea

RANGE/TRAINING AREA:

Facility Code 17431 Impact Area Non-Dudded
 Facility Code 17926 Aerial Gunnery Range
 Facility Code 17937 Aerial Bombing Range
 Facility Code 17962 MOUT Collective Training Facility (Small)
 Facility Code 17963 MOUT Collective Training Facility (Large)
 Facility Code 17830 Light Demolition Range
 Facility Code 17430 Impact Area Dudded
 Facility Code 17710 Multipurpose Training Range (MPTR)
 Facility Code 17670 Mortar Range
 Facility Code 17650 Field Artillery Direct Fire Range

EQUIPMENT: PAN tool kit, water, and target material

2336-NEUT-1605: Conduct render safe procedure on aircraft explosive hazards

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an aircraft, aircraft safing pins, aircraft maintenance crew, and the reference(s).

STANDARD: To ensure the proper procedures are conducted per the reference(s).

PERFORMANCE STEPS:

1. Identify the type of aircraft.
2. Identify any ordnance being carried by the aircraft.
3. Render safe all ordnance on aircraft, if possible.
4. Render safe all ordnance delivery devices.
5. Identify all explosive hazards associated with aircrafts.
6. Render safe all identified explosive hazards.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
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2336-NEUT-1606: Clear aircraft gun

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING:

CONDITION: Given an aircraft gun with stuck ammunition, aircraft ordnance gun crew, EOD tools, safe disposal site, an assistant, and the reference(s)

STANDARD: To ensure the safe clearance of aircraft gun with minimal damage to the gun observing all applicable safety precautions

PERFORMANCE STEPS:

1. Review applicable aircraft and aviation publications
2. Ensure all safety measures have been taken specific to aircraft, weapon system, and AEHS.
3. Assess the situation and determine course of action.
4. remove stuck round if practical/possible
5. Remove gun from aircraft if required
6. Move gun to a safe disposal site

7. Disassemble gun
8. Determine and initiate method of attack per the reference
9. Examine all gun barrels for further stuck rounds.
10. Conduct appropriate turnover with responsible unit.

CHAINED EVENTS:

2305-NEUT-2604

RELATED EVENTS:

2305-NEUT-2604

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. SOP Unit Training
3. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

AIRCRAFT: EOD will coordinate with local units and aviation ordnance personnel to conduct training on Marine organic aircraft and Joint service aircraft.

EQUIPMENT: Most aircraft specific equipment (pin packs etc) will be made available by the Aviation Ordnance unit supporting the specific airframe and weapon system. Prior coordination for training and operations is required.

2336-NEUT-1607: Employ Mk 2 Mod 1 .50 Caliber Dearmer

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a known ordnance item, MK 2 Mod 1 .50 Cal dearmer, references, and required Class V

STANDARD: in order to appropriately render safe the targeted item.

PERFORMANCE STEPS:

1. Transport tool to ordnance site.
2. Secure tool.
3. Aim tool at designated site using proper slug.
4. Initiate tool from safe area.
5. Safe ordnance as directed by publication.

PREREQUISITE EVENTS:

2305-REC-1703

2305-REC-2707

EOD-REC-3701

CHAINED EVENTS:

2305-NEUT-1607

RELATED EVENTS:

2305-NEUT-1608 EOD-RSP-3801

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
3. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
4. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN08 Igniter, Time Blasting Fuse with Sho	5 ea
M130 Cap, Blasting Electric M6	5
M131 Cap, Blasting Non-Electric M7	5
M174 Cartridge, Caliber .50 Impulse Elect	5
A555 Cartridge, Caliber .50 Ball M33 Link	5
M670 Fuse, Blasting Time M700	50 ft
M456 Cord, Detonating PETN Type I Class E	50 ft

RANGE/TRAINING AREA:

Facility Code 17431 Impact Area Non-Dudded
Facility Code 17430 Impact Area Dudded

EQUIPMENT: Mk 2 Mod 1 .50 Cal. KitDemo ops Kit

MATERIAL: Live or inert ordnance.

2336-NEUT-1608: Clear surface ordnance from designated area

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an impact area to be cleared, required equipment, personnel, and the references.

STANDARD: Ensure complete and safe clearance of surface ordnance from the designated area, observing all applicable safety precautions, per the references.

PERFORMANCE STEPS:

1. Conduct range reconnaissance.

2. Prepare operations plan.
3. Perform ORM as applicable to the operation.
4. Brief team.
5. Perform range clearance.
6. Debrief team.

CHAINED EVENTS:

2305-ADMN-2002 2305-NEUT-2603 2305-DISP-2303

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. SOP Unit Training
3. Applicable Marine Corps Orders and Directives
4. Military Munitions Rule

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
M130 Cap, Blasting Electric M6	5
M131 Cap, Blasting Non-Electric M7	5
M456 Cord, Detonating PETN Type I Class E	500 ft
M670 Fuse, Blasting Time M700	100 ft
MN08 Igniter, Time Blasting Fuse with Sho	5
M023 Charge, Demolition Block M112 1-1/4	10
G950 Grenade, Hand Red Smoke M18	2 ea

EQUIPMENT: UXO Kit and Demo Ops Kit

UNITS/PERSONNEL: Corpsman with Advanced Trauma Training.

2336-REC-1701: Identify unknown unexploded ordnance

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an unknown ordnance item, explosive ordnance disposal tools, an assistant, and all applicable references.

STANDARD: Ensure proper identification of the unknown explosive ordnance, observing all applicable safety precautions, per the references.

PERFORMANCE STEPS:

1. Determine location and plot on map.
2. Conduct an EOD reconnaissance.

3. Tentatively identify UXO hazards.
4. Conduct research.
5. Report identification and hazards.

RELATED EVENTS:

EOD-IED-3403	2305-RECN-2703	2305-RECN-2702
2305-RECN-2709	EOD-RECN-3705	2305-RECN-2706

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

EQUIPMENT: Laptop with AEDOPS, EOD Tool Set

2336-RECN-1702: Locate buried ordnance using sub-surface detection equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a search area, ordnance locator, buried/submerged UXO, EOD tools, an assistant and reference.

STANDARD: To ensure buried UXO is correctly located, observing all applicable safety precautions.

PERFORMANCE STEPS:

1. Determine application to be used
2. Prepare ordnance locator for use
3. Search each segment systematically using the ordnance locator
4. Mark suspected buried UXO

PREREQUISITE EVENTS:

2305-RECN-1703	2305-ADMN-2003	EOD-RECN-3701
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CHAINED EVENTS:

2305-RECN-1702

RELATED EVENTS:

2305-RECN-2707

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

EQUIPMENT: Ordnance locator, power supply, digging tools, and marking

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equipment

2336-RECN-1703: Conduct area search

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a designated area, EOD tools, an assistant and reference(s).

STANDARD: To determine or negate the presence of explosives or hazards, per the reference(s).

PERFORMANCE STEPS:

1. Identify the area to be searched.
2. Determine to search method to be used.
3. Identify any potential hazards in area to be searched i.e. propane tanks, high voltage lines.
4. Brief EOD team.
5. Brief supporting personnel.
6. Establish perimeter.
7. Once search and EOD tasks are complete turn over to appropriate agency.
8. Search the area using proper search techniques.
9. Complete and submit required reports.

CHAINED EVENTS:

2305-RECN-2708

2305-NEUT-2601

2305-IED-1401

2305-RECN-1704

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3440.7 Marine Corps Support to Civil Authorities
3. SOP Unit Training
4. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)

Facility Code 17410 Maneuver/Training Area, Light Forces

Facility Code 17963 MOUT Collective Training Facility (Large)

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: The scope of this task can cover every type of environment from heavily populated urban settings to sparse mountainous desert climates. The threat can also range from a permissive to non-

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permissive environment. This task must be trained to support the higher Commands anticipated missions. This may include support to USSS, Special Operations Forces, Conventional forces, and Law Enforcement.

2336-RECN-1704: Operate EOD robotic tool sets

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD robotic tool set, an assistant and the reference

STANDARD: To ensure proper operation to accomplish required applications observing all applicable safety precautions, per the reference.

PERFORMANCE STEPS:

1. Set-up and operate the robotic tool set for tethered operations.
2. Set-up and operate the robotic tool set for wireless operations.
3. Set-up and operate the robotic tool set for shotgun disrupter operations.
4. Set-up and operate the robotic tool set for manipulator/gripper operations.
5. Accomplish required applications using the robotic tool set.

CHAINED EVENTS:

2305-RECN-1704

RELATED EVENTS:

EOD-RECN-3705

2305-NEUT-1604

2305-NEUT-1607

2305-RECN-2708

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
AA62 CTG, 12 GA, MK 274 UVS EOD USE	1 ea
AA63 CTG, 12 GA, MK 275 IEDSD EOD USE	1 ea
AA64 CTG, 12 GA, MK 276	1 ea
AA60 Cartridge, 12 Gauge #00 Buckshot	7 ea
DWEI Pyrotechnic Lead Spool Assembly, MK	1 roll
M174 Cartridge, Caliber .50 Impulse Elect	2 ea
A011 Cartridge, 12 Gauge #00 Buckshot M16	7 ea
AA66 CTG, 12 GA, MK278 NON-LETHAL	1 ea

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)

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Facility Code 17413 Field Training Area
Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: EOD Robotic tool.

2336-RECN-1705: Operate photographic equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING:

CONDITION: Given an EOD incident, EOD photographic equipment, a subject, and the reference.

STANDARD: To ensure images are taken properly.

PERFORMANCE STEPS:

1. Assemble camera equipment.
2. Hold the camera correctly and ensure subject is in view .
3. Focus camera and capture the image.
4. Unload the capture media and load images to a computer.
5. Evaluate images.

PREREQUISITE EVENTS:

2305-RECN-1703	2305-RECN-2708	2305-RECN-2706
2305-ADMN-2003	EOD-RECN-3701	

CHAINED EVENTS:

2305-RECN-1705

RELATED EVENTS:

2305-RECN-2701 EOD-IED-3403

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. SOP Unit Training

SUPPORT REQUIREMENTS:

EQUIPMENT: Photographic Equipment

2336-RECN-1706: Recover buried Unexploded Explosive Ordnance (UXO)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD

Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a buried UXO, EOD tools, an assistant, and the references.

STANDARD: To ensure accurate estimation of the location and recovery of buried UXO observing all applicable safety precautions.

PERFORMANCE STEPS:

1. Locate the true hole of entry.
2. Prepare ordnance locator.
3. Estimate location of UXO.
4. Dig at estimated site.
5. Gain entrance with explosives.
6. Set rigging as required.
7. Recover UXO.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. SOP Unit Training

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
M023 Charge, Demolition Block M112 1-1/4	10 ea
M039 Charge, Demolition Cratering 40-Poun	1 ea
M420 Charge, Demolition Shaped M2 Series	1 ea
M591 Dynamite, Military M1	10 ea
MN08 Igniter, Time Blasting Fuse with Sho	6 ea
M131 Cap, Blasting Non-Electric M7	6 ea
M670 Fuse, Blasting Time M700	50 ft
M456 Cord, Detonating PETN Type I Class E	50 ft
M130 Cap, Blasting Electric M6	4 ea

2336-RSP-1801: Operate a MK 1 Mod 3 Remote Wrench

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a fuzed ordnance item, a safe disposal area, an assistant, and the reference

STANDARD: Ensure proper preparation and initiation of the MK 1 Mod 3 remote wrench.

PERFORMANCE STEPS:

1. Prepare the remote wrench.
2. Assemble the remote wrench for use.
3. Connect the remote wrench to firing system.
4. Apply the remote wrench to ordnance item.
5. Initiate the remote wrench.

PREREQUISITE EVENTS:

2305-RECN-2707 EOD-DISP-3301

CHAINED EVENTS:

2305-RSP-1801

RELATED EVENTS:

EOD-IED-3404 2305-NEUT-1605 EOD-NEUT-3602
2305-RECN-1702

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
4. SOP Unit Training

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
M174 Cartridge, Caliber .50 Impulse Elect	10
M456 Cord, Detonating PETN Type I Class E	50 ft
M130 Cap, Blasting Electric M6	10
A552 Ctg Cal .50	4
M670 Fuse, Blasting Time M700	50 ft
M766 Igniter, M60 for Time Blasting Fuse	
M131 Cap, Blasting Non-Electric M7	6

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded

EQUIPMENT: DEMO OPS KIT

MATERIAL: Class V

UNITS/PERSONNEL: Corpsman with blast/burn trauma training.

2336-RSP-1802: Employ remote explosive wire cutters

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD team, while in appropriate PPE, and utilizing EOD tools and equipment, necessary publications, training area, scenario, and threat device.

STANDARD: To ensure proper set up and employment.

PERFORMANCE STEPS:

1. Identify Target.
2. Identify cutter size.
3. Determine non-explosive material.
4. Assemble explosive wire cutters.
5. Employ wire cutters.
6. Initiate wire cutters.
7. Determine effectiveness of cutters.
8. Recover tools and equipment.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
4. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
5. MCO 8020.10 USMC Ammo & Explosives Safety Policy
6. NAVSEA SW023-AH-WHM-010 Handling Ammunition and Explosives with Industrial Material Handling Equipment (MHE)
7. NAVSEA SW060-AA-MMA-010 Demolition Materials
8. SOP Unit Training

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MM56 Detonator, Non-Electric MK123 Mod 0	1
MN08 Igniter, Time Blasting Fuse with Sho	5

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17411 Maneuver/Training Area, Amphibious Forces
Facility Code 17413 Field Training Area
Facility Code 17420 Maneuver/Training Area, Heavy Forces
Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17926 Aerial Gunnery Range
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17830 Light Demolition Range

EQUIPMENT: -Remote explosive wire cutter-Non explosive tools -Initiation device-Shock tube

2336-RSP-1803: Conduct Render Safe Procedure (RSP) on Unexploded Explosive Ordnance (UXO)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an unknown unexploded ordnance item or suitable training aid, applicable EOD tools, demolition materials, a safe disposal area, an assistant, and all applicable references.

STANDARD: In order to properly neutralize the ordnance.

PERFORMANCE STEPS:

1. Identify the UXO.
2. Research UXO.
3. Formulate RSP.
4. Prepare tools.
5. Perform appropriate RSP.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
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5004. 2000 LEVEL INDIVIDUAL EVENTS

2336-ADMN-2001: Compute Class V requirements

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a list of class V which will be used to support MAGTF training mission, the mission of the unit being supported, and the reference.

STANDARD: To ensure accurate computation of the EOD class V requirements to support the training mission per the reference.

PERFORMANCE STEPS:

1. Determine the number of each type of ammunition.
2. Determine the type(s) of ammunition to be used during the operation.
3. Determine the amount and type of each explosive required to destroy one item of each type of ammunition.
4. Calculate the amount of explosives required to destroy 10 per cent of the total of each type of ammunition to be used during the operation.
5. Add the totals of explosives required to destroy 10 percent of each type of ammunition to be used during the operation.
6. Determine the amount of time fuze required, based on the amount and size of each type of ammunition to be destroyed, and the time required to move to a safe area.
7. Determine the amount of detonating cord required.
8. Determine the number of electric or non-electric blasting caps required based on the figure obtained in Step 5.
9. Determine the number of different colored smoke grenades required based on which are to be used for emergencies.
10. Determine the number of disruptor cartridges based on 10 percent of the total number of fuzes requiring their use.
11. Determine the number of incendiary devices required based on 10 percent of the total number of ordnance items which may require their use.
12. Add an additional 20 percent of total Class V(W) requirements already computed for contingency purposes.
13. Submit computed EOD Class V(W) requirements to unit being supported for requisitioning.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
 3. Op Order Annex C Appendix 13
 4. SOP Unit Training
 5. Applicable Marine Corps Orders and Directives
-

2336-ADMN-2002: Apply the military munitions rule to EOD operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a military munitions, a scenario that includes the location and condition of the munitions.

STANDARD: In compliance with environmental law.

PERFORMANCE STEPS:

1. Research, document, and draft orders and directives in accordance with State or local requirements in reference to the MMR.
2. Act in accordance with the MMR while dealing with an EOD situation.
3. Affect final disposition IAW MMR.
4. Prepare reports and submit to required agencies.
5. Submit reports to required agencies.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. SOP Unit Training
 3. Applicable Marine Corps Orders and Directives
 4. Military Munitions Rule
-

2336-ADMN-2003: Supervise EOD Operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an EOD assignment, personnel, equipment and references.

STANDARD: To ensure technical guidance/advice is provided to EOD officer/unit commanders per the references.

PERFORMANCE STEPS:

1. Supervise EOD team personnel, equipment, and functions.
2. Provide input to EOD officer/unit commander.
3. Provide technical supervision on proper procedures for an EOD operation.
4. Supervise preparation and maintenance of records on all matters pertaining to EOD operations.

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REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
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2336-ADMN-2004: Conduct accident/incident response planning

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: When tasked with Biological/Chemical response, given appropriate equipment and an EOD team.

STANDARD: In order to mitigate CBRNE events, in accordance with stated reference.

PERFORMANCE STEPS:

1. Conduct interviews with appropriate witnesses.
2. Identify initial exclusion zone and downwind hazard areas.
3. Select appropriate equipment.
4. Contact available decon teams and equipment resources.
5. Assign team members to specific elements.
6. Conduct A&I.

PREREQUISITE EVENTS:

2305-ADMN-2003

CHAINED EVENTS:

2305-CBRN-1102

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
 2. FM 5-25 Explosives and Demolitions
 3. NAVSEA SWO60-AA-MMA-010 Demolition Materials
 4. SOP Unit Training
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2336-ADMN-2005: Advise on EOD capabilities in support of WMD operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

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CONDITION: Given a mission statement

STANDARD: In order to integrate EOD into course of action and accomplish the mission.

PERFORMANCE STEPS:

1. Conduct mission analysis.
2. Receive Commander's intent.
3. Establish communication with EOD assets.
4. Establish communication with supporting agencies.
5. Categorize mission essential equipment and identify shortfalls and redundancies.
6. Determine directives that must be utilized.
7. Advise commander of mission specific capabilities and limitations.
8. Develop branch plans.
9. Develop sustainable logistical support for EOD specific end items.
10. Complete and submit required EOD reports.

CHAINED EVENTS:

2305-CBRN-1102

EOD-CBRN-3104

REFERENCES:

1. DODDIR 3150.5 DOD Response to Improvised Nuclear Device (IND) Incidents
2. DODDIR 3150.8 DOD Response to Radiological Accidents
3. JP 3-40 Joint Doctrine Combating Weapons of Mass Destruction
4. SWOP Special Weapons Ordnance Publications
5. National Response Plan

2336-CBRN-2101: Vent and burn chemical munitions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD incident site, chemical detector kit, EOD tools, an assistant, and the reference(s).

STANDARD: To ensure the proper disposal of chemical munitions per the reference(s).

PERFORMANCE STEPS:

1. Establish initial exclusion zone and downwind hazard area.
2. Set up Emergency Personnel Decontamination Stations (EPDS).
3. Identify agent filler and select disposal procedure.
4. Perform appropriate procedures.
5. Process through (EPDS).

PREREQUISITE EVENTS:

2305-CBRN-1102 EOD-CBRN-3101

CHAINED EVENTS:

2305-CBRN-1104 2305-CBRN-1103 2305-CBRN-2101
2336-CBRN-1106 EOD-CBRN-3105

RELATED EVENTS:

2305-ADMN-2004 EOD-RECN-3704 2305-RECN-2707
EOD-CBRN-3103 EOD-CBRN-4101 EOD-CBRN-3106
2305-RECN-1703

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. MCO 3440.7 Marine Corps Support to Civil Authorities
4. NAVSEA SWO60-AA-MMA-010 Demolition Materials
5. SOP Unit Training

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
G900 Grenade, Hand Incendiary Thermite AN	3 ea
M131 Cap, Blasting Non-Electric M7	1 ea
MN08 Igniter, Time Blasting Fuse with Sho	2 ea
M670 Fuse, Blasting Time M700	50 ft

2336-CBRN-2102: Conduct leak, seal and packaging procedures on chemical munitions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a leaking chemical munitions, EOD tools, decontaminants, an assistant, and the reference(s).

STANDARD: To ensure the proper procedures are conducted per the reference(s).

PERFORMANCE STEPS:

1. Separate leaking munitions from non-leaking munitions.
2. Perform gross decontamination of munitions if deemed necessary.
3. Rinse munitions if decontaminant is used.
4. Leak seal munitions with appropriate materials.

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5. Decontaminate sealed munitions.
6. Wait required contact time.
7. Rinse munitions.
8. Place munitions in plastic bag and check munitions for contamination using M18A3 Kit.
9. Tape bag closed using strong PSA tape.
10. Seal final container.
11. Mark the outside of the final container. Proceed to hotline.
12. Prior to crossing hot line complete final vapor check. If necessary, repeat four step decontamination procedures.

PREREQUISITE EVENTS:

2305-ADMN-2001

CHAINED EVENTS:

2305-CBRN-2102	2305-RECN-2707	2305-CBRN-1102
EOD-CBRN-3103	EOD-CBRN-3102	2336-CBRN-1106
EOD-CBRN-3105	EOD-CBRN-3107	EOD-CBRN-3108

RELATED EVENTS:

2305-CBRN-1103	EOD-CBRN-4101
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REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:**RANGE/TRAINING AREA:**

Facility Code 17830 Light Demolition Range

2336-DEMO-2201: Employ volumetric charges
EVALUATION-CODED: NO**SUSTAINMENT INTERVAL:** 12 months**BILLETS:** EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician**GRADES:** SGT, SSGT, GYSGT, MSGT**INITIAL TRAINING SETTING:** FORMAL**CONDITION:** Given an incident that requires an energetic procedure.**STANDARD:** Ensuring they are suitable for the target, and will provide the desired disruption and neutralization result.**PERFORMANCE STEPS:**

1. Determine target.
2. Select method of attack.
3. Construct volumetric charge.
4. Place volumetric charge IAW SOP.

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5. Function volumetric charge IAW SOP.
6. Conduct post blast analysis to determine if charge functioned as designed and achieved the desired result.

PREREQUISITE EVENTS:

2305-ADMN-2001

CHAINED EVENTS:

2305-ADMN-2001

2305-SPEC-2902

2305-SPEC-2901

RELATED EVENTS:

EOD-IED-3403

EOD-INTL-3501

EOD-RSP-3802

EOD-RECN-3705

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
4. NAVSEA SWO60-AA-MMA-010 Demolition Materials
5. SOP Unit Training
6. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
M130 Cap, Blasting Electric M6	5 ea
M980 Charge, Demolition Sheet 0.0831 Inch	30 ft
M456 Cord, Detonating PETN Type I Class E	100 ft
M982 Charge, Demolition Sheet 0.161 Inch	10 ft
M023 Charge, Demolition Block M112 1-1/4	5 ea

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: EOD Demo Kit. EOD units will need to open purchase: hydrojets, boot bangers, mineral water bottles, slim jims and components for a "head shot".

UNITS/PERSONNEL: Trauma certified Corpsman

2336-DEMO-2202: Employ commercial and/or foreign military explosives

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: When not provided with standard military explosives.

STANDARD: IAW EOD procedures.

PERFORMANCE STEPS:

1. Evaluate target.
2. Choose explosives.
3. Prepare explosives.
4. Connect firing system.
5. Emplace explosives.
6. Fire charge.
7. Evaluate shot results.

PREREQUISITE EVENTS:

2305-ADMN-2001

CHAINED EVENTS:

2305-ADMN-2001

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Hazardous Materials
3. FM 5-25 Explosives and Demolitions
4. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
5. NAVSEA SWO60-AA-MMA-010 Demolition Materials
6. SOP Unit Training
7. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17830 Light Demolition Range
Facility Code 17710 Multipurpose Training Range (MPTR)

EQUIPMENT: EOD Demo Kit

MATERIAL: Civilian or foreign explosives

UNITS/PERSONNEL: Trauma certified Corpsman

2336-DISP-2301: Supervise emergency destruction of ammunition

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

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GRADES: WO-1, CWO-2, CWO-3, CAPT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an emergency situation, ordnance item(s), EOD tools, demolition material, safe disposal area, assistant and references.

STANDARD: To ensure safe destruction of ordnance items in an emergency situation observing all applicable safety precautions, per the reference(s).

PERFORMANCE STEPS:

1. Select a disposal site.
2. Prepare ordnance for destruction.
3. Destroy ordnance.
4. Evaluate results.

CHAINED EVENTS:

2305-ADMN-2003	2305-ADMN-2002	2305-ADMN-2001
2305-DISP-2302	EOD-ADMN-3002	

RELATED EVENTS:

2305-DISP-2302

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
3. Op Order Annex C Appendix 13
4. SOP Unit Training
5. Military Munitions Rule

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Demolition Kit

2336-DISP-2302: Conduct emergency destruction of ammunition

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an emergency situation, ordnance item(s), EOD tools, demolition materiel, safe disposal area, an assistant and reference(s).

STANDARD: To ensure the safe destruction of ordnance items in an emergency situation, observing all applicable safety precaution, per the reference(s).

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PERFORMANCE STEPS:

1. Select a disposal site.
2. Prepare ordnance for disposal.
3. Select safe area.
4. Prepare initiation systems.
5. Prepare explosive charges.
6. Confirm destruction.
7. Destroy ordnance.

PREREQUISITE EVENTS:

2305-ADMN-2002	2305-ADMN-2001	2305-DISP-2301
EOD-RECN-3701	EOD-RECN-3705	

CHAINED EVENTS:

2305-ADMN-2002	2305-ADMN-2001	2305-DISP-2301
EOD-IED-3404	EOD-IED-3403	EOD-ADMN-3002
EOD-RECN-3701	EOD-RECN-3705	

RELATED EVENTS:

2305-DISP-2301	EOD-IED-3404
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REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
3. NAVSEA SWO60-AA-MMA-010 Demolition Materials
4. OP 2239 Motor Vehicle Driver's Handbook, Ammunition, Explosives and related Hazardous Materials
5. Op Order Annex C Appendix 13
6. SOP Unit Training
7. Applicable Marine Corps Orders and Directives
8. Military Munitions Rule

SUPPORT REQUIREMENTS:**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
K180 Mine, Antitank Heavy M15	5
B542 Cartridge, 40mm HEDP M430/M430A1 Lin	5
D529 Projectile, 155mm High Explosive M79	5
MN08 Igniter, Time Blasting Fuse with Sho	10
M131 Cap, Blasting Non-Electric M7	6
M670 Fuse, Blasting Time M700	100
M757 Charge, Assembly Demolition M183 Com	1

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

EQUIPMENT: Demolition Kit**UNITS/PERSONNEL:** Corpsman with Trauma Training

2336-DISP-2303: Operate the Designated Marksmanship Rifle (DMR)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given the designated Marksmanship Rifle, target ordnance item, a spotter, a safe disposal area and reference.

STANDARD: To ensure the accurate employment of the DMR in Standup Munitions Disruption (SMUD) operations observing applicable safety precautions.

PERFORMANCE STEPS:

1. Prepare the DMR for employment.
2. Select target ordnance item.
3. Select safe firing area.
4. Engage target ordnance item.

PREREQUISITE EVENTS:

2305-ADMN-2003 2305-RECN-2707 EOD-RECN-3701

CHAINED EVENTS:

2305-DISP-2303

RELATED EVENTS:

EOD-IED-3404 2305-NEUT-1608 EOD-NEUT-3602
EOD-RECN-3705

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
3. SOP Unit Training

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
AA11 Cartridge, 7.62mm Long Range M118 LR	50

RANGE/TRAINING AREA:

Facility Code 17560 Sniper Field-Fire Range

EQUIPMENT: DMR, spotting equipment, and laser range finder

MATERIAL: Target material

UNITS/PERSONNEL: Corpsman

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2336-IED-2401: Supervise an Improvised Explosive Device (IED) response

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD incident, suspected IED, demolition material, EOD tools, EOD team, and the reference(s).

STANDARD: To ensure the proper performance of procedures on suspected IEDs observing all applicable safety precautions, per the reference(s).

PERFORMANCE STEPS:

1. Establish liaison with on scene commander.
2. Advise the commander on evacuation distances.
3. Select area for command post.
4. Search area for command post.
5. Determine initial courses of action.
6. Search area if suspect for CBRN hazards.
7. Inform on scene commander to advice proper authority.
8. Select method of attack.
9. Supervise method of attack.
10. Check results to determine if continuation of EOD procedures are required.
11. Check for secondary devices.
12. Complete required reports.

CHAINED EVENTS:

2305-IED-2401

RELATED EVENTS:

2305-IED-1401	2305-INTL-1501	2305-RECN-1703
2305-RECN-1705	2305-RECN-1704	2305-RECN-2708
2305-CBRN-1102	2305-SPEC-2901	2305-DISP-2302
2305-DISP-2303	2305-NEUT-2608	2305-NEUT-2609
2305-NEUT-2601	2305-NEUT-1604	2305-NEUT-1602
2305-NEUT-2602	2305-NEUT-1607	2305-RECN-2706

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
3. FM 5-25 Explosives and Demolitions
4. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
5. MCO 3440.7 Marine Corps Support to Civil Authorities
6. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
7. SOP Unit Training
8. Applicable SL-3

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SUPPORT REQUIREMENTS:**RANGE/TRAINING AREA:**

Facility Code 17410 Maneuver/Training Area, Light Forces

Facility Code 17963 MOUT Collective Training Facility (Large)

EQUIPMENT: Bomb suit, PPE, demo kit, HAL kit, robotics, miscellaneous response equipment, and X-Ray

2336-INTL-2501: Conduct post-blast analysis of detonation site**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**BILLETS:** EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician**GRADES:** SGT, SSGT, GYSGT, MSGT**INITIAL TRAINING SETTING:****CONDITION:** With the aid of references, tools, photographic equipment, evidence bags.**STANDARD:** Identify the seat of the detonation, device components, estimated explosive type and weight, and firing device functioning.**PERFORMANCE STEPS:**

1. Receive response request, prep gear.
2. Gather background information.
3. Respond to site.
4. Conduct interviews, compile timeline of events.
5. Conduct detailed search from outer edge of debris field in.
6. Record and package items of interest.
7. Process seat of blast.
8. Turn over scene when complete.
9. Compile report.

PREREQUISITE EVENTS:

EOD-ADMN-4002	EOD-ADMN-3001	2305-ADMN-2003
2305-ADMN-2002	2305-NEUT-2601	2305-ADMN-2005
EOD-CBRN-3102	EOD-RECN-3701	2305-ADMN-2004
EOD-ADMN-4001	EOD-ADMN-5001	EOD-ADMN-5002

CHAINED EVENTS:

2305-RECN-2708	2305-NEUT-2608	2305-RECN-1705
2305-RECN-1703	2305-IED-1401	2305-NEUT-2601
2305-DISP-2302	2305-RECN-2702	2305-RECN-2709
2305-RECN-2703	2305-RECN-2706	2305-RECN-2705
EOD-ADMN-3001	EOD-ADMN-3002	EOD-CBRN-3102
EOD-IED-3403	EOD-INTL-4502	EOD-NEUT-3602
EOD-IED-3404	EOD-RECN-3703	EOD-ADMN-4001
EOD-ADMN-6002	EOD-RECN-3705	

RELATED EVENTS:

EOD-INTL-4502

EOD-INTL-3501

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 3-11.4 Multiservice tactics, techniques, and procedures for nuclear, biological, and chemical (NBC) protection
3. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
4. MCO 3440.7 Marine Corps Support to Civil Authorities
5. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
6. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
7. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
8. SOP Unit Training

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17410 Maneuver/Training Area, Light Forces
Facility Code 17430 Impact Area Dudded
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17830 Light Demolition Range

EQUIPMENT: Post Blast Crime Scene Kit

2336-INTL-2502: Supervise removal of explosives during exploitation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an ordnance item, EOD tools, a safe disposal area, an assistant, and all applicable references.

STANDARD: Ensure the safe removal of explosives from an ordnance item by steaming or washing out, while observing all applicable safety precautions.

PERFORMANCE STEPS:

1. Determine the type, condition, and explosive filler of the ordnance item to be steamed/washed out.
2. Review written procedures.
3. Determine the best method for gaining access to the explosives.
4. Brief procedures.
5. Supervise operations.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

2336-INTL-2503: Exploit known or unknown ordnance

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given the necessary tools and equipment, a known or unknown ordnance item, an assistant, demolition material, a safe disposal area, and the references.

STANDARD: To ensure safe exploitation to determine fuzing, firing, functioning, and render safe procedures per the references.

PERFORMANCE STEPS:

1. Determine the type and condition of the ordnance item to be exploited.
2. Perform diagnostic procedures using X-ray equipment to determine fuze condition and method of disassembly.
3. Research publications, with the aid of X-rays) to determine arming sequence.
4. Research publications, with the aid of X-rays) to develop dissassembly/inerting procedures.
5. Identify the appropriate safety precautions.
6. Request approved procedures from MCD NAVEODTECHDIV, as applicable.
7. Disassemble the ordnance item.
8. Segregate hazardous components.
9. Determine measurements of the ordnance item and its components.
10. Attempt to determine the type of explosives in the ordnance item.
11. Inert hazardous components.
12. Dispose of hazardous materials from dissassembly/inerting process.
13. Attempt to determine fuzing, functioning, firing, and recommend render safe procedures for the ordnance.
14. Prepare and submit appropriate report.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

2336-NEUT-2601: Establish EOD Command Post

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: N/A

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

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INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD scenario, EOD team, EOD tools, and reference(s).

STANDARD: To ensure proper command and control of EOD operations per the reference(s).

PERFORMANCE STEPS:

1. Identify a suitable location.
2. Conduct area search.
3. Monitor until operations are complete.
4. Establish liaison with on scene commander.

CHAINED EVENTS:

2305-RECN-1703

2305-ADMN-2003

2305-NEUT-2601

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
4. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
5. Military Munitions Rule

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17413 Field Training Area

Facility Code 17962 MOUT Collective Training Facility (Small)

Facility Code 17963 MOUT Collective Training Facility (Large)

2336-NEUT-2602: Employ Mk 38 Mod 0 Small Caliber Dearthmer (SCD)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a Mk 38 Mod 0, a target, and ammunition.

STANDARD: To successfully impact a point target in accordance with EODB 60 series publications.

PERFORMANCE STEPS:

1. Evaluate target.
2. Select appropriate dearmer.
3. Assemble dearmer.

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4. Connect firing system.
5. Emplace dearmmer.
6. Fire dearmmer.
7. Evaluate shot results.

PREREQUISITE EVENTS:

2305-ADMN-2003

2305-RECN-2707

EOD-RECN-3701

CHAINED EVENTS:

2305-NEUT-2602

RELATED EVENTS:

2305-NEUT-1608

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
3. MCO 1510.78 Individual Training Standards System for Ammunition and Explosive Ordnance Disposal, OCCFLD 23
4. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
5. SOP Unit Training
6. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
A363 Cartridge, 9mm Ball M882	5 ea
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
DWEI Pyrotechnic Lead Spool Assembly, MK	1 roll
A086 Cartridge, Caliber .22 M24 Ball Long	5 ea
M130 Cap, Blasting Electric M6	4 ea
MN08 Igniter, Time Blasting Fuse with Sho	5 ea

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
 Facility Code 17431 Impact Area Non-Dudded
 Facility Code 17962 MOUT Collective Training Facility (Small)
 Facility Code 17830 Light Demolition Range
 Facility Code 17963 MOUT Collective Training Facility (Large)
 Facility Code 17710 Multipurpose Training Range (MPTR)

EQUIPMENT: Mk 38 Mod 0**UNITS/PERSONNEL:** Corpsman with blast frag trauma training

2336-NEUT-2603: Neutralize ordnance by low order detonation**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months

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DESCRIPTION: These procedures are based on the most technical information available but do not result in a 100% success rate.

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given explosives and explosive tools, Live Munitions, references, range/impact area.

STANDARD: Ensuring it results in a reduction of the explosive hazard.

PERFORMANCE STEPS:

1. Identify munitions.
2. Identify tool or explosive to employ.
3. Position explosive or tool.
4. Initiate explosive or tool.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
ML04 Cutter, High Explosive MK23 Mod 0	2 ea
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
ML05 Cutter, High Explosive MK24 Mod 0	2 ea
M130 Cap, Blasting Electric M6	4 ea
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
M670 Fuse, Blasting Time M700	100 ft
M131 Cap, Blasting Non-Electric M7	5 ea
M456 Cord, Detonating PETN Type I Class E	500 ft
G950 Grenade, Hand Red Smoke M18	1 ea
MN08 Igniter, Time Blasting Fuse with Sho	5 ea
M023 Charge, Demolition Block M112 1-1/4	10 ea
G900 Grenade, Hand Incendiary Thermite AN	6 ea

2336-NEUT-2604: Remove explosive hazards from aircraft

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: There are numerous explosive hazards that can be encountered in the conduct of this event as follows: aircraft ejection seats and canopies, weapons systems, counter measures, pylon stations, ejection racks, bombs, missiles, rockets, dispensers and payloads. This also includes foreign aircraft.

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD

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Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given T/E, publications, training area, scenario, aircraft, ordnance, weapons system, class V(W).

STANDARD: In order to ensure the safe recovery of aircraft and weapons systems for reuse or intelligence in accordance with publications.

PERFORMANCE STEPS:

1. Identify aircraft.
2. Identify aircraft explosive hazards.
3. Identify weapons system.
4. Identify stations.
5. Identify ordnance carried.
6. Identify ordnance fuzing.
7. Establish safe area.
8. Determine PPE required.
9. Determine T/E required.
10. Determine Class V(W) required.
11. Determine approach path.
12. Conduct approach.
13. Identify weapons system condition.
14. Identify ordnance condition.
15. Conduct procedures.

CHAINED EVENTS:

2305-NEUT-1608	2305-NEUT-1606	2305-NEUT-1605
2305-NEUT-2601		

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

AIRCRAFT: Use available aircraft/aircraft components.

2336-NEUT-2605: Remove explosive hazards from weapons systems

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: There are numerous explosive hazards that can be encountered in the conduct of this event as follows: MK19, mortars, artillery, LAV, tanks and AAV/EFV. This also includes foreign systems.

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given T/E, publications, training area, scenario, and ground weapons system.

STANDARD: In order to ensure the safe recovery of weapons systems for reuse or intelligence in accordance with publications.

PERFORMANCE STEPS:

1. Determine safe area.
2. Determine approach.
3. Conduct recon.
4. Identify system.
5. Develop plan in accordance with applicable manuals.
6. Determine T/E required.
7. Execute plan in accordance with publications.
8. Turn system over to owning unit or intelligence personnel.

CHAINED EVENTS:

2305-NEUT-2601

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. Applicable SL-3

SUPPORT REQUIREMENTS:

EQUIPMENT: Use available weapons systems for training.

2336-NEUT-2606: Employ Mk 42 Mod 0 Medium Directional Energetic Tool

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: 2.75 Inch Water Cannon Disruptor to be fielded late FY06. Uses powder bag (DODIC DWGB) for functioning.

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a target, tool, ammunition, and appropriate references.

STANDARD: To successfully neutralize explosive hazards.

PERFORMANCE STEPS:

1. Identify a safe training area.
2. Coordinate the Class V requirements.
3. Identify proper targets.
4. Brief team on plan of action.
5. Utilize tool.

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6. Debrief team.
7. Supervise.

PREREQUISITE EVENTS:

2305-RECN-2706	2305-ADMN-2003	EOD-IED-3403
EOD-RECN-3701	EOD-RECN-3704	

CHAINED EVENTS:

2305-NEUT-2606	2305-IED-2401	EOD-RSP-3802
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RELATED EVENTS:

2305-IED-1401	EOD-IED-3404	EOD-NEUT-3602
2305-RECN-1703	2305-RECN-2708	EOD-ADMN-3002

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
3. NAVSEA SWO60-AA-MMA-010 Demolition Materials
4. SOP Unit Training
5. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:**ORDNANCE:**

<u>DODIC</u>	<u>Quantity</u>
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
DWGB Power Bag Container Assembly, EOD	1 ea
DWEI Pyrotechnic Lead Spool Assembly, MK	1 roll
MN08 Igniter, Time Blasting Fuse with Sho	2 ea
AX14 Primer, Percussion 12 Gauge W209	2 ea

RANGE/TRAINING AREA:

Facility Code 17710 Multipurpose Training Range (MPTR)
 Facility Code 17830 Light Demolition Range
 Facility Code 17963 MOUT Collective Training Facility (Large)
 Facility Code 17962 MOUT Collective Training Facility (Small)
 Facility Code 17431 Impact Area Non-Dudded
 Facility Code 17430 Impact Area Dudded

2336-NEUT-2607: Employ improvised disruption charges

EVALUATION-CODED: NO**SUSTAINMENT INTERVAL:** 12 months**BILLETS:** EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician**GRADES:** SGT, SSGT, GYSGT, MSGT**INITIAL TRAINING SETTING:** FORMAL**CONDITION:** Given a target and demolition materials.

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STANDARD: Ensuring explosive hazard is successfully neutralized.

PERFORMANCE STEPS:

1. Evaluate target.
2. Determine charge to use.
3. Assemble charge.
4. Connect firing system to charge.
5. Emplace charge.
6. Fire charge.
7. Evaluate shot results.

PREREQUISITE EVENTS:

2305-ADMN-2001 EOD-SPEC-6901

CHAINED EVENTS:

2305-RECN-1704	2305-NEUT-2601	2305-ADMN-2001
2305-NEUT-2609	EOD-ADMN-3002	EOD-IED-3402
EOD-RECN-3701		

RELATED EVENTS:

EOD-SPEC-6903	2305-NEUT-2609	EOD-NEUT-3601
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REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
3. FM 5-25 Explosives and Demolitions
4. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
5. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
6. NAVSEA SWO60-AA-MMA-010 Demolition Materials
7. Op Order Annex C Appendix 13
8. SOP Unit Training
9. Dynamic Entry Handbook

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
M023 Charge, Demolition Block M112 1-1/4	5
M130 Cap, Blasting Electric M6	5
M456 Cord, Detonating PETN Type I Class E	100 ft
M980 Charge, Demolition Sheet 0.0831 Inch	30 ft
M024 Charge, Demolition Block M118 2 Poun	3

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
 Facility Code 17431 Impact Area Non-Dudded
 Facility Code 17962 MOUT Collective Training Facility (Small)
 Facility Code 17963 MOUT Collective Training Facility (Large)
 Facility Code 17710 Multipurpose Training Range (MPTR)
 Facility Code 17830 Light Demolition Range

2336-NEUT-2608: Desensitize explosives

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given explosives, desensitizing agents, an assistant, and the references.

STANDARD: To ensure safe desensitizing of explosives with the appropriate agent.

PERFORMANCE STEPS:

1. Identify explosive to be desensitized.
2. Identify method, technique, and procedure to be used.
3. Conduct explosive operations IAW unit SOP and directives.
4. Confirm all explosives have been completely desensitized.

PREREQUISITE EVENTS:

2305-RECN-2702	2305-RECN-2706	EOD-CBRN-3104
EOD-INTL-3501	EOD-IED-3403	

RELATED EVENTS:

2305-NEUT-2608

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. SOP Unit Training
4. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17830 Light Demolition Range

2336-NEUT-2609: Employ vehicle disruption charges

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an EOD element, while in appropriate PPE, and utilizing EOD tools and equipment, necessary publications, training area, scenario, threat device, and given weather conditions.

STANDARD: To ensure proper set up and employ.

PERFORMANCE STEPS:

1. Identify target.
2. Identify charge size.
3. Determine appropriate Class V(W) required.
4. Determine non-explosive material.
5. Construct charge.
6. Place charge.
7. Initiate charge.
8. Determine effectiveness of charge.
9. Recover tools and equipment.
10. Secure area.
11. Identify target.
12. Identify charge size.
13. Determine appropriate Class V(W) required.
14. Determine non-explosive material.
15. Construct charge.
16. Place charge.
17. Initiate charge.
18. Determine effectiveness of charge.
19. Recover tools and equipment.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. CFR 49 Hazardous Materials
3. DoD 5100.76 Physical Security of AA&E
4. FM 5-25 Explosives and Demolitions
5. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
6. MCO 8020.1 Handling, Transportation, Storage, Reclassification and Disposal of Class V(W) Material
7. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
8. MCRP 3-17.2 Multiservice Procedures for Explosive Ordnance Disposal (NTTP) in a Joint Environment
9. NAVSEA OP 2165 Transportation Safety Handbook for AMMO & Explosives
10. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
11. NAVSEA SWO60-AA-MMA-010 Demolition Materials
12. SOP Unit Training

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
M757 Charge, Assembly Demolition M183 Com	1 ea
M670 Fuse, Blasting Time M700	50 ft
M130 Cap, Blasting Electric M6	5
M980 Charge, Demolition Sheet 0.0831 Inch	5 ft

M456 Cord, Detonating PETN Type I Class E 100 ft

RANGE/TRAINING AREA:

Facility Code 17431 Impact Area Non-Dudded
Facility Code 17936 Close Air Support Range
Facility Code 17830 Light Demolition Range
Facility Code 17710 Multipurpose Training Range (MPTR)
Facility Code 17937 Aerial Bombing Range
Facility Code 17631 Light Antiarmor Weapons Range Live
Facility Code 17650 Field Artillery Direct Fire Range
Facility Code 17430 Impact Area Dudded

EQUIPMENT: Vehicle, tools, equipment, and material required for applicable charge

UNITS/PERSONNEL: 2305 EOD Officer and 2336 EOD Technicians

2336-NEUT-2610: Recover explosive hazards from a damaged/crashed aircraft

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a damaged/crashed aircraft, EOD tools, emergency support personnel, investigative team, an EOD team, and the reference(s)

STANDARD: To ensure complete recovery and render safe of all explosive hazards observing all applicable safety precautions, per the reference(s)

PERFORMANCE STEPS:

1. Set up command post/safe area.
2. Gather intelligence of known explosive hazards.
3. Refer to applicable publications.
4. Don appropriate protective clothing.
5. Conduct Recon of crash area/damaged aircraft for explosive hazards.
6. Brief team and support personnel.
7. Develop plan to recover explosive hazards in accordance with AEODPS manuals.
8. Save applicable components in accordance with AEODPS manuals.
9. Recover explosive hazards.
10. Debrief team members and investigative team.

CHAINED EVENTS:

2305-NEUT-1608 2305-NEUT-1606 2305-NEUT-1605
2305-NEUT-2601

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

AIRCRAFT: Use available aircraft / aircraft components.

2336-NEUT-2611: Employ lightweight disposable disruptor

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given T/E, demolition materials, a target and publications.

STANDARD: To successfully neutralize explosive hazards.

PERFORMANCE STEPS:

1. Identify a safe training area.
2. Coordinate the Class V requirements.
3. Identify proper targets.
4. Brief team on plan of action.
5. Utilize tool.
6. Debrief team.
7. Supervise.

PREREQUISITE EVENTS:

2305-ADMN-2003	EOD-IED-3403	EOD-RECN-3701
EOD-RECN-3704	2305-RECN-2706	

CHAINED EVENTS:

2305-NEUT-2611	EOD-RSP-3802
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RELATED EVENTS:

2305-IED-1401	EOD-IED-3404	EOD-NEUT-3602
2305-RECN-1703	2305-RECN-2708	EOD-ADMN-3002

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
3. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
4. NAVSEA SWO60-AA-MMA-010 Demolition Materials
5. SOP Unit Training
6. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

ORDNANCE:

DODIC

Quantity

M670 Fuse, Blasting Time M700	50 ft
M130 Cap, Blasting Electric M6	2
M131 Cap, Blasting Non-Electric M7	2
MN08 Igniter, Time Blasting Fuse with Sho	2
DWDN Charge, Lightweight Disposable Disru	2

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17431 Impact Area Non-Dudded
Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17830 Light Demolition Range
Facility Code 17710 Multipurpose Training Range (MPTR)

EQUIPMENT: Demo ops kit

MATERIAL: Targets

UNITS/PERSONNEL: Corpsman with blast/frag trauma training

2336-RECN-2701: Detect explosive hazards utilizing EOD tools

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Determine location of explosive hazard on the surface and subsurface.

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given T/E, publications, training area, and a scenario.

STANDARD: In order to determine the location of surface and subsurface explosive hazards.

PERFORMANCE STEPS:

1. Identify general location of suspect explosive hazard.
2. Determine safe area.
3. Visually inspect area.
4. Determine exact location of surface explosive hazard.
5. Determine probable location of subsurface explosive hazard.
6. Using T/E determine exact location of subsurface explosive hazard.
7. Confirm presence of subsurface explosive hazard.

PREREQUISITE EVENTS:

2305-NEUT-1608	2305-RECN-1702	2305-RECN-1704
EOD-SPEC-6904		

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CHAINED EVENTS:

2305-RECN-1703	2305-RECN-2708	2305-RECN-1702
2305-ADMN-2002	2305-RECN-2702	2305-RECN-2703
2305-ADMN-2003	2305-RECN-2707	2305-SPEC-2901

RELATED EVENTS:

2305-RECN-1705	2305-RECN-1704	2305-INTL-2501
2305-CBRN-1102	2305-INTL-1501	2305-CBRN-1104

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
3. MCO 3502.3 Marine Expeditionary Unit (Special Operations Capable)
4. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
5. MCO 8020.10 USMC Ammo & Explosives Safety Policy
6. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal
7. SOP Unit Training
8. Applicable Marine Corps Orders and Directives
9. Military Munitions Rule

SUPPORT REQUIREMENTS:**RANGE/TRAINING AREA:**

Facility Code 17330 Covered Training Area
 Facility Code 17430 Impact Area Dudded
 Facility Code 17431 Impact Area Non-Dudded

EQUIPMENT: Pub sets, ordnance locator, basic recon tools, camera, and PPE

2336-RECN-2702: Identify chemical compounds associated with IED manufacturing

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a selection of chemicals and references.

STANDARD: In order to confirm or deny that these chemical compounds could be use in the manufacture of explosives or devices.

PERFORMANCE STEPS:

1. Evaluate markings of containers.
2. Evaluate condition of containers.

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3. Collect samples.
4. Verify compounds.
5. Arrange for removal.
6. Prepare reports.
7. Submit reports.

PREREQUISITE EVENTS:

2305-RECN-1703	2305-RECN-2705	2305-RECN-2708
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CHAINED EVENTS:

2305-RECN-1703	2305-RECN-2701	2305-IED-2401
2305-ADMN-2002	2305-RECN-2709	2305-RECN-2706
2305-RECN-2705	2305-RECN-2708	EOD-ADMN-3001
EOD-CBRN-3104	EOD-IED-3403	EOD-NEUT-3602
EOD-IED-3404	EOD-RECN-3703	EOD-RSP-3802
2305-NEUT-2608	EOD-RECN-3705	

RELATED EVENTS:

2305-RECN-2703	2305-RECN-2709	EOD-RECN-3705
2305-RECN-2706		

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
3. SOP Unit Training
4. Applicable Marine Corps Orders and Directives
5. Military Munitions Rule

SUPPORT REQUIREMENTS:**EQUIPMENT:** FO Set**MATERIAL:** Various inert samples and pictures**2336-RECN-2703:** Identify foreign weapons systems**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**BILLETS:** EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician**GRADES:** SGT, SSGT, GYSGT, MSGT**INITIAL TRAINING SETTING:** MOJT**CONDITION:** Given a weapons system and the references.**STANDARD:** To determine the required EOD procedures.**PERFORMANCE STEPS:**

1. Categorize family of systems.
2. Identify markings.

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3. Identify specific weapons system.
4. Identify explosive hazards associated with systems.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

2336-RECN-2704: Identify commercial explosives**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**BILLETS:** EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician**GRADES:** SGT, SSGT, GYSGT, MSGT**INITIAL TRAINING SETTING:** FORMAL**CONDITION:** Given a selection of explosives and references.**STANDARD:** Ensuring proper identification of explosives selected.**PERFORMANCE STEPS:**

1. Observe unidentified commercial explosives.
2. Select the appropriate reference material.
3. Routinely identify commercial explosives.

CHAINED EVENTS:

EOD-IED-3403

RELATED EVENTS:

EOD-IED-3403

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:**EQUIPMENT:** Commercial Explosives

2336-RECN-2705: Conduct building search**EVALUATION-CODED:** NO**SUSTAINMENT INTERVAL:** 12 months**DESCRIPTION:** The scope of this task can include support to USSS, Special Operations Forces, and law enforcement that must be accomplished in a permissive or non-permissive environment. This task may also be completed with the assumption that there is a NBC threat present. Individual EOD teams should first train to the mission/task anticipated by their higher headquarters.

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BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an explosive hazard/IED inside of a building, T/E, reference publications.

STANDARD: To locate the threat using EOD search techniques.

PERFORMANCE STEPS:

1. Formulate search plan.
2. Coordinate and brief other agencies, supporting units involved with the operation.
3. Execute search using deliberate methods defined in EOD orders and SOPs.
4. Brief personnel that will be conducting search.
5. Coordinate with security to ensure perimeter is set.
6. Brief personnel that will be conducting search.
7. Select and prepare equipment required for search.
8. Conduct turnover to appropriate personnel once search is complete.

CHAINED EVENTS:

2305-RECN-1703	2305-RECN-2708	2305-RECN-1704
2305-RECN-2706	2305-SPEC-2901	

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3440.7 Marine Corps Support to Civil Authorities
3. SOP Unit Training
4. Applicable Marine Corps Orders and Directives
5. National Response Plan

2336-RECN-2706: Identify improvised explosives

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 10 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a selection of explosives and the references.

STANDARD: In order to confirm the type of explosive contained in a device.

PERFORMANCE STEPS:

1. Choose the requested explosive.
2. Trainee is presented with simulated material or pictures.

3. Trainee attempts to ID material.
4. Trainee states handling considerations.

PREREQUISITE EVENTS:

2305-INTL-1501

CHAINED EVENTS:

2305-RECN-2709	2305-INTL-1501	2305-NEUT-2608
EOD-RECN-3705	2305-RECN-2702	

RELATED EVENTS:

EOD-IED-3403	2305-RECN-2702	2305-RECN-2709
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REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
3. SOP Unit Training

SUPPORT REQUIREMENTS:

EQUIPMENT: FO Set

2336-RECN-2707: Conduct ordnance identification

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The determination of the country of origin, category, type by function, safeties, condition as well as the explosive and non-explosive hazards (pressurized bottles, thermal batteries and spring loaded fins) associated with explosive ordnance.

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given the appropriate T/E, publications, training area, ordnance reconnaissance information

STANDARD: In order to identify explosive and non-explosive hazards by country of origin, category, type by function, safeties and condition.

PERFORMANCE STEPS:

1. Using recon information, input search criteria into EOD publications system.
2. Identify country of origin.
3. Identify category.
4. Identify safeties.
5. Identify type by function.
6. Identify condition
7. Identify explosive and non-explosive hazards.

PREREQUISITE EVENTS:

2305-RECN-2701

CHAINED EVENTS:

2305-NEUT-2604	EOD-RECN-3704	EOD-RSP-3801
EOD-RECN-3705	2305-RECN-1702	2305-RECN-1705
2305-RECN-1703	2305-RECN-2702	2305-RECN-1704

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
3. MCWP 3-17.2 MAGTF Explosive Ordnance Disposal

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17430 Impact Area Dudded
Facility Code 17830 Light Demolition Range

2336-RECN-2708: Conduct vehicle search

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a vehicle, EOD tools, an assistant and reference(s).

STANDARD: To determine or negate the presence of explosives or hazards per the reference(s).

PERFORMANCE STEPS:

1. Formulate a search plan.
2. Coordinate and brief other supporting units involved.
3. Brief personnel that will be conducting search.
4. Select and prepare equipment required for search.
5. Coordinate with security to ensure perimeter is set.
6. Execute search.
7. Conduct turnover to appropriate personnel once search is complete.

CHAINED EVENTS:

2305-RECN-2708	2305-RECN-1703	2305-RECN-1704
EOD-SPEC-3901	EOD-IED-3401	

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
3. MCO 3440.7 Marine Corps Support to Civil Authorities

4. SOP Unit Training
5. Applicable Marine Corps Orders and Directives
6. National Response Plan

SUPPORT REQUIREMENTS:

RANGE/TRAINING AREA:

Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17410 Maneuver/Training Area, Light Forces

EQUIPMENT: HAL kit w/ VAK kit, bomb suit, and EOD robotics

2336-RECN-2709: Identify electronic components

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Basic electronic 101

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an electronics schematic and item.

STANDARD: To ensure that the power source, circuit, and output of a device are established.

PERFORMANCE STEPS:

1. Identify tools needed to identify electronic components.
2. Identify power source.
3. Identify output to penalty.
4. Identify individual components.
5. Identify type of circuit.
6. State hazards associated with circuit type.
7. Use a multi-meter.
8. Use a soldering iron.
9. Interpret an electronics schematic containing the common symbols.
10. Formulate plan to interrupt the circuit.
11. Perform actions to interrupt the circuit.

RELATED EVENTS:

EOD-IED-3403	2305-RECN-2703	2305-RECN-2701
EOD-RECN-3705	2305-RECN-2702	2305-RECN-2706

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 5-25 Explosives and Demolitions
3. SOP Unit Training
4. Applicable Marine Corps Orders and Directives

SUPPORT REQUIREMENTS:

MATERIAL: Electrical components, X-Ray pictures, and schematics

2336-RECN-2710: Operate in confined spaces

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With equipment, an assistant, and training area.

STANDARD: To ensure the safety performance of tasks in confined spaces.

PERFORMANCE STEPS:

1. Identify confined space.
2. Emergency personnel on standby.
3. Op check equipment.
4. Make entry.
5. Correctly use confined space monitoring equipment.
6. Perform mission.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
-

2336-RSP-2801: Employ stand off munitions ordnance disruption

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an EOD team, while in appropriate PPE, and utilizing EOD tools and equipment, necessary publications, training area, scenario, threat device, and given weather conditions.

STANDARD: In order to neutralize explosive hazards associated with ordnance.

PERFORMANCE STEPS:

1. Assemble the stand off munitions disrupter.
2. Bore sight the stand off munitions disrupter.
3. Emplace the stand off munitions disrupter.

4. Initiate the stand off munitions disrupter.
5. Verify the results.

PREREQUISITE EVENTS:

2305-RECN-2707

CHAINED EVENTS:

2305-RSP-2801 2305-DISP-2303

RELATED EVENTS:

2305-NEUT-1608

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. MCO 1510.101 Individual Training Standards System for Marine Corps Special Skills, Vol. II
3. MCO 3571.2F Explosive Ordnance Disposal (EOD) Program
4. MCO 8020.10 USMC Ammo & Explosives Safety Policy
5. MCO 8027.1 Interservice Responsibilities for Explosive Ordnance Disposal
6. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
7. NAVSEA SWO60-AA-MMA-010 Demolition Materials
8. SOP Unit Training
9. Applicable SL-3

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
DWEI Pyrotechnic Lead Spool Assembly, MK	50

RANGE/TRAINING AREA:

Facility Code 17431 Impact Area Non-Dudded
Facility Code 17430 Impact Area Dudded
Facility Code 17970 Radar-Bomb-Scoring Facility

EQUIPMENT: Spotting Scopes or Binos, and Demo Kit, if needed.

UNITS/PERSONNEL: Trauma certified Corpsman

2336-SPEC-2901: Gain entry to spaces containing explosive devices using advanced tools and techniques

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: This event is focused on advanced entry techniques involving access into buildings/spaces that have locking mechanisms and sensor/alarm systems (explosive, mechanical, ballistic).

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: In a SOF mission environment, given the references.

STANDARD: In order to successfully perform advanced TTPs which enables mission accomplishment.

PERFORMANCE STEPS:

1. Identify the space requiring entry.
2. Collect target intelligence.
3. Coordinate intelligence products in order to develop entry plan.
4. Determine the locking mechanism, sensor, and alarms associated with the space.
5. Develop specific TTPs in order to gain entry into the space.
6. Stage and op check equipment before insertion.
7. Employ the specific TTPs in order to gain entry into the space.
8. Recover equipment.

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System

SUPPORT REQUIREMENTS:

AIRCRAFT: There will be a requirement for the EOD technicians to understand the entry/access procedures for commercial and military common linear aircraft frames in order to support special operations involving aircraft.

ROOMS/BUILDINGS: There is a requirement for EOD personnel to receive training on all commercial, industrial, security and military building structures to include locking mechanisms security sensors and alarms. This training must incorporate foreign and domestic standards.

EQUIPMENT: Assault Breacher Tool Kit, Lock Neutralization Kit, SOF Demolition Kit, Commercial locksmith database, Common EOD tools, and personnel equipment/weapons.

UNITS/PERSONNEL: EOD personnel that require this advanced training to support MAGTF and SOF operations.

MISCELLANEOUS:

SPECIAL PERSONNEL CERTS: Basic EOD Course, Electronic Training, CQB Course, and Dynamic Entry

2336-SPEC-2902: Employ dynamic entry techniques

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

BILLETS: EOD Assistant Team Leader, EOD Chief, EOD Operations Chief, EOD

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Staff Chief, EOD Team Leader, EOD Technician

GRADES: SGT, SSGT, GYSGT, MSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given the responsibility to conduct Dynamic Entry duties.

STANDARD: To ensure proper Dynamic Entry tasks are utilized, and all applicable safety precautions are observed.

PERFORMANCE STEPS:

1. Perform the use of an advance priming system.
2. Show knowledge of specialized demolition materials.
3. Show knowledge of civilian explosives.
4. Conduct a mechanical breach.
5. Conduct a ballistic breach.
6. Conduct an explosive breach.
7. Conduct a thermal breach.
8. Conduct a breach using specialized explosives.
9. Conduct a breach using civilian explosives.
10. Breach a non standard target.
11. Breach a high security target.
12. Employ civilian ballistic breaching ammunition.
13. Research and verify the safety of new explosive, ballistic, mechanical, and thermal ideas or methods of entry.

PREREQUISITE EVENTS:

2305-ADMN-2001	2305-ADMN-2005	EOD-SPEC-6901
EOD-SPEC-6902	EOD-SPEC-6907	

CHAINED EVENTS:

2305-ADMN-2001	2305-NEUT-2607	2305-SPEC-2901
2305-ADMN-2005	EOD-CBRN-3104	EOD-RECN-3701
EOD-RECN-3702	EOD-SPEC-6901	EOD-SPEC-6902
EOD-SPEC-6903	EOD-SPEC-3901	

RELATED EVENTS:

EOD-RECN-3702	EOD-SPEC-6901	EOD-SPEC-3901
EOD-SPEC-6903	2305-NEUT-2607	EOD-SPEC-6905
2305-SPEC-2901	EOD-NEUT-3601	EOD-SPEC-6902

REFERENCES:

1. AEODPS 60 Series Automated EOD Publication System
2. FM 3-90.15 Tactics, Techniques, and Procedures for Tactical Operations Involving Sensitive Sites
3. FM 5-25 Explosives and Demolitions
4. MCBul 8011 Class V(W) Materiel Allowances for Training and Security
5. MCO 3502.2 Marine Corps Special Skills Certification Program
6. MCO 8023.3A Personnel Qualification and Certification Program for Class V Ammunition and Explosives
7. NAVSEA OP 5 Vol 1 Ammunition and Explosives/Ashore Safety Regulations of Handling, Storage, Production, Renovation and Shipping
8. NAVSEA SWO60-AA-MMA-010 Demolition Materials
9. Op Order Annex C Appendix 13

10. SOP Unit Training
11. Applicable Marine Corps Orders and Directives
12. Dynamic Entry Handbook

SUPPORT REQUIREMENTS:

ORDNANCE:

<u>DODIC</u>	<u>Quantity</u>
MM27 Charge, Demolition Sheet Explosive	6 ft
MM28 C3 Sheet Explosive	2 ft
MN88 Cap, Blasting, 500 ft mini-tube M21	1 ea
MN90 Cap, Blasting, 1000 ft mini-tube M23	1 ea
MN02 Dual instantaneous shock tube	12 rolls
MN89 Dual instantaneous shock tube	12 rolls
M986 Sheet Explosive	12 ft
MM29 Charge, Demolition Sheet Explosive	6 ft
M023 Charge, Demolition Block M112 1-1/4	10 ea
MU40 Cord, Detonating 400 Grains per Foot	2 ft
AX14 Primer, Percussion 12 Gauge W209	21 ea
MM30 Charge, Flexible 20 Gram PETN MK140	13 ea
ML03 Firing Device, Demolition Multi-Purp	3 ea
A024 Cartridge, 12 Gauge Door Breaching M	5 ea
M980 Charge, Demolition Sheet 0.0831 Inch	12 ft
M456 Cord, Detonating PETN Type I Class E	70 ft
MM42 Charge, Demolition Flexible Linear S	6 ft
MM45 Charge, Demolition Flexible Linear S	6 ft
M981 Charge, Demolition Sheet 0.125 Inch	5 ft

RANGE/TRAINING AREA:

Facility Code 17962 MOUT Collective Training Facility (Small)
Facility Code 17963 MOUT Collective Training Facility (Large)
Facility Code 17830 Light Demolition Range

EQUIPMENT: Breacher Kit

MATERIAL: Consumables

UNITS/PERSONNEL: Corpsman with Trauma Training

OTHER SUPPORT REQUIREMENTS: Charges to be constructed: Detonating Cord Linear Charge, Detonating Cord Loop, Fence Charge, Ghost Buster, Gumbi Charge, Oval Charge, Satellite Charge, Slant Charge, Slider Charge, Strip Charge, Water Charge, Window Charge, and Shotgun Entry.

EOD T&R MANUAL

APPENDIX A

CLASS V REQUIREMENTS FOR EOD ITS TRAINING

DODIC Required	A011	A024	A086	A363	A552	AA11	AA55	AA60	AA62	AA63
Total per individual	7	5	5	5	11	100	5	7	2	2
EOD Section - 1 Officer & 8 Technicians	9	9	9	9	9	9	9	9	9	9
Total per EOD Section	63	45	45	45	99	900	45	63	18	18

DODIC Required	AA64	AA66	AX14	B542	B529	B532	D541	DA12	DWDN	DWEC
Total per individual	2	2	23	5	5	1	1	1	2	1
EOD Section - 1 Officer & 8 Technicians	9	9	9	9	9	9	9	9	9	9
Total per EOD Section	18	18	207	45	45	0	0	0	18	9

DODIC Required	DWED	DWEE	DWEI	DWGB	G900	G940	G950	K180	M023	M024
Total per individual	1	1	5	1	13	2	3	1	47	3
EOD Section - 1 Officer & 8 Technicians	9	9	9	9	9	9	9	9	9	9
Total per EOD Section	9	9	45	9	117	18	27	9	423	27

DODIC Required	M032	M039	M130	M131	M174	M420	M456	M474	M475	M476
Total per individual	10	1	61	41	23	1	1570	1	1	1
EOD Section - 1 Officer & 8 Technicians	9	9	9	9	9	9	9	9	9	9
Total per EOD Section	90	9	549	369	207	9	14130	9	9	9

DODIC Required	M477	M478	M479	M480	M481	M482	M483	M484	M487	M591
Total per individual	1	1	1	1	1	1	1	1	1	13
EOD Section - 1 Officer & 8 Technicians	9	9	9	9	9	9	9	9	9	9
Total per EOD Section	9	9	9	9	9	9	9	9	9	117

DODIC Required	M670	M757	M980	M981	M982	M986	ML03	ML04	ML05	MM27
Total per individual	850	2	77	5	10	12	3	2	2	6
EOD Section - 1 Officer & 8 Technicians	9	9	9	9	9	9	9	9	9	9
Total per EOD Section	7650	18	693	45	90	108	27	18	18	54

DODIC Required	MM28	MM29	MM30	MM41	MM42	MM43	MM44	MM45	MM46	MM47
Total per individual	2	9	13	1	7	1	1	7	1	1
EOD Section - 1 Officer & 8 Technicians	9	6	9	9	9	9	9	9	9	9
Total per EOD Section	18	54	117	9	63	9	9	63	9	9

DODIC Required	MM48	MM51	MM52	MM53	MM54	MM56	MN02	MN08	MN88	MN89
Total per individual	1	1	1	1	1	2	12	72	16	12
EOD Section - 1 Officer & 8 Technicians	9	9	9	9	9	9	9	9	9	9
Total per EOD Section	9	9	9	9	9	18	108	648	144	108

DODIC Required	MN90	MU40
Total per individual	16	2
EOD Section - 1 Officer & 8 Technicians	9	9
Total per EOD Section	144	18